



To make Indian agriculture sustainable, profitable and competitive enterprise through engineering interventions of farm mechanization, value addition and energy management in production and post harvest operations.

AGRICULTURAL EQUIPMENTS TOOLS AND ACCESSORIES CATALOG



Mission

To develop and introduce need-based and region-specific engineering technologies to achieve sustainable enhanced productivity and profitability of different farming systems.

Tesca Technologies Pvt. Ltd.

IT-2013, Ramchandrapura Industrial Area, Sitapura Extension,
Near Bombay Hospital, Vidhani Circle, Jaipur-302022, Rajasthan, India,
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FARM MACHINERY AND IMPLEMENTS

GAE – 1 TRACTOR



- ❖ Engine Direct Inject
- ❖ Cylinders / Air Cleaner
- ❖ Engine Horsepower
- ❖ Engine Net Power 2070 rpm Rate Engine Speed 340 lb./ft. at 1400 rpm (461 n/m)
- ❖ Total Displacement 7500 cc (457.67 cu.in)
- ❖ Displacement Size 111.8 mm (4.4 inch) / 127 mm (5 inch) Operating Pressure Ratio 17.5 : 1
- ❖ Fuel Tank Capacity 150 litres
- ❖ Clutch Type Dry Type, 12 inch Disc, Hydraulic fuel system clutch
- ❖ Main Gear Shift Synchronesh F12 / R12
- ❖ Rear Mechanical Lock Differential Lock (Preventing a free rotation of rear wheel) PTO Power 2 Type available rotates at 540 and 1000 rounds @ 1900rpm and 2200 rpm of engine speed
- ❖ Quick Hitch, Three Point Hitch, respectively
- ❖ Hydraulics Type Gear Type hydraulics installed by the side of rear gear wheel
- ❖ Total Pump Output 35.2 liters/minute at Maximum Operating Pressure of 2610 PSI Hydraulics Control System 1.Position 2.Draft 3. Mix
- ❖ Hitch Type Three-point Linkage
- ❖ Lift capacity at lift point 3780 Kg
- ❖ Break System 4 wheel break Front Wheel Hydraulic System Rear Wheel Wet type with three discs on each side Steering Hydrostatic. Height level adjustable to make it suitable for the driver (Adjustable Steering
- ❖ Wheel)

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- ❖ Electrical System Safety Start System, Starting is allowed only when gear is in Neutral Position
- ❖ Alternator Alternative Current 55 amp 12 volts
- ❖ Battery 12 volts 105 amp - Hour
- ❖ Cooling System Uses water to cool down engine, controlled by water valve. Engine oil cooling system is also available
- ❖ Seat Grand space for the driver's seat, and a higher view- point
- ❖ Gear Gear Type on the right

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GAE – 2 HYDRAULIC REVERSIBLE DISC PLOUGH



- ❖ Weight 550 kg
- ❖ Hitch Type Category II, 3 Point Hitch Geometry Number of Discs 3
- ❖ Size of Disc 711 x 4.76 mm (28" x 3/16")
- ❖ Disc Adjustment 2 Horizontal Options (Normal and Hard Soil)
- ❖ Working Width 762 mm (30") with tread setting of 1320 mm (52")
- ❖ Max. Ploughing Depth 356 mm (14")

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GAE – 3 DISC PLOUGH AND ACCESSORIES



- ❖ 3discs (three point hitch) Suitable for use with agricultural tractors of 50- 80HP, Made of boron steel with special concavity. 660mm Disc diameter, 680mm clearance, Working Width of 750mm, Working Depth 200- 300mm, Weight 420 kg, Required Power -50-80Hp.
- ❖ Must have flange extensions, working width adjustment and Safety Mechanism.

GAE – 4 SEED DRILL/PLANTER



- ❖ Operated by tractor
- ❖ Suitable for use with agricultural tractors of 60-70HP and for Precision seed planting of maize, sunflower and other crops.
- ❖ Pneumatic.
- ❖ Fixed, telescoping type of frame configuration.
- ❖ 16 rows for wheat, 5 rows for corn, spacing for wheat 130-160mm, corn 450-600mm,
- ❖ weight 290 kgs,

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- ❖ 3 point suspension II type

GAE – 5 POTATO HARVESTER



- ❖ Operated by tractor P. T.O. shaft.
- ❖ Suitable for use with agricultural tractors of 70-80HP.
- ❖ Harvesting to 100-250mm depth and able to sieve potatoes tubers in harsh, sort and normal soil condition.
- ❖ Mounted connection type(3 point suspension II type),
- ❖ Double sieving mechanism,
- ❖ Height 1300 mm, Width 1600 mm, Length 2600 mm
- ❖ Weight 390 Kg, Required Power 45 HP,
- ❖ 2 Harvesting Rows, Harvesting width of 1500mm,
- ❖ Harvesting rows 2m, is Kapasitesi 3 da/h, Eleme Unitesi 71 + 1

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GAE – 6 RIDGER



- ❖ Suitable for use with agricultural tractors of 60-80HP For rooty zones, working width 1800mm, ridging width 300-500mm,
- ❖ ridging height 150-350mm,
- ❖ ridging rows 1(2),
- ❖ weight 220kgs,
- ❖ 3 point suspension II type

GAE – 7 SUBSOILER



- ❖ Suitable for use with agricultural tractors of 70-80HP
- ❖ Heavy & Light duty.
- ❖ 11 Number of tines,
- ❖ Working depth 100-250mm,
- ❖ Weight 370 Kg,

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- ❖ Power Requirement 70-80 HP.
- ❖ 3 point suspension II type

GAE – 8 ROTARVATOR



- ❖ Operated by tractor P. T.O. shaft. Suitable for use with agricultural tractors of 80HP and for preparing seed beds and stubble tilling.
- ❖ Working width 1.6 m, Maximum working depth 22 cm, Total width 1.76 m, Weight 414 Kg,
- ❖ Number of flanges 7, Number of blades 36, Maximum P.T.O Speed 540 rpm, Required tractor power 50-55 HP.
- ❖ Semi- eccentric and eccentric transmission type, Variable speed shaft, Detachable gears, Protection cover and machine shaft safety arrangement

GAE – 9 RECIPROCATING MOWER



- ❖ Operated by tractor P. T.O. shaft.
- ❖ Suitable for use with agricultural tractors of 80HP and for clean cut on any type of grass.
- ❖ Mowing Width 1600 mm,
- ❖ Height 50-80 mm,
- ❖ PTO speed 540r/min ,
- ❖ 3 point suspension II type

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GAE – 10 SEED DRILL/PLANTER



- ❖ Operated by tractor P. T.O. shaft.
- ❖ Suitable for use with agricultural tractors of 60-70HP and for Precision seed planting of maize, sunflower and other crops.
- ❖ Pneumatic.
- ❖ Fixed, telescoping type of frame configuration.
- ❖ 16 rows for wheat,
- ❖ 5 rows for corn, spacing for wheat 130-160mm,
- ❖ corn 450-600mm, weight 290 kgs,
- ❖ 3 point suspension II type

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GAE – 11 SQUARE HAY BALER



Height x width 36x46cm14x18in.
Length 30.5 to 127 cm12 to 50 in.
Pickup width 187.9 cm74 in.
Tooth bars/teeth 6 bars, 156 teeth
Lift control Crank (hydraulic opt.)
Pickup diameter Compression rack rods 49.5 cm19.5 in.

Diameter 41 cm 16 in
Length 154.9 cm 61 in
Feed opening --
Strokes/minute 93
No. of knotters 2
Twine capacity 8
Twine type Plastic or Sisal
Knot strength (minimum required) Central lube system Operator
Wire twisters Wire ball capacity 4
Length w/ short tongue N/A
Length w/ long tongue 576.5 cm 227 in
Width 274.3 cm 108 in
Height 170.2 cm 67 in
Weight empty 1411 kg 3110 lb
PTO speed 540 rpm
Minimum 26 kw 35 PTO
PTO HP

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Equal angle 3 joint category 5 Belt
Gear and shaft Gear and shaft Gear and shaft

Driveline Equal angle 3
joint category 4

Optional Equal angle 3
driveline joint category 5

Pickup Belt

Plunger Gear and shaft

Knotters Gear and shaft

Feeder forks Gear and shaft

Diameter of
flywheel ---

Size of
flywheel 103 kg227 lb

Drive train Protection:

Pickup Belt slip

Needle Shear bolt/plunger
s head stop

Knotters Shear bolt
rs

Tyres:

RH Standard tire 26x12.0-

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size	12, 4 ply
RH Optional tire size	---
LH Standard tire size	11L-14, 6 ply
LH Optional tire size	---
Gauge Wheels	1 optional
Pickup Gauge	16.5x6.50-
Wheels Tires Size	8
Density control system:	
Adjustable Bale Density	Mechanical crank

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GAE – 12 WINNOWER



- ❖ Efficiency (t/h):60
- ❖ Installed electric power(kW)e)5.5
- ❖ Inlet / Outlet (mm)250
- ❖ Dimensions without cyclone:
- ❖ Length (mm)1900
- ❖ Width (mm) 800
- ❖ Height (mm) 2000

GAE – 13 DISC HARROW AND ACCESSORIES (PLAIN DISC)



- ❖ 3 point suspension II type,
- ❖ Suitable for use with agricultural tractors of 70HP,
- ❖ Made of boron steel with special concavity.22discs,
- ❖ 22cm disc spacing.
- ❖ 4No housing,
- ❖ Working width 2400mm working depth 100-140mm,
- ❖ weight 500kgs
- ❖ Will have working width adjustment and Safety Mechanism.

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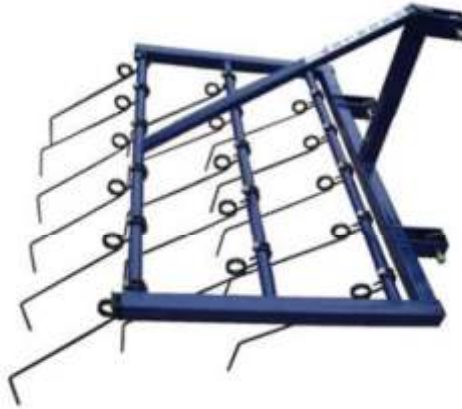
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GAE – 14 DISC HARROW AND ACCESSORIES (NOTCHED DISC)

- ❖ 3 point suspension II type,
- ❖ Suitable for use with agricultural tractors of 70HP,
- ❖ Made of boron steel with special concavity.
- ❖ 22discs, 22cm disc spacing.
- ❖ 4No housing,
- ❖ Working width 2400mm working depth 100-140mm,
- ❖ weight 500kgs
- ❖ Will have working width adjustment and Safety Mechanism.



GAE – 15 SPRING TINED HARROW



- ❖ High performance spring steel tines - increased working life
- ❖ Triple wound tines - designed for less side movement (i.e. better levelling)
- ❖ Deep row spacings - improved trash flow Adjustable tine angles - flexibility in the field
- ❖ Fold under' tines for reversing and turning
- ❖ Full adjustable mount arm with variable spring pressure and high lift position for transport
- ❖ 4 Row Spring Tine Harrow has 21.3 tines/m - 20% more - this gives exceptional soil levelling and seed bed conditioning Optional quick hitch attachments
- ❖ 10mm high performance spring steel
- ❖ 229mm (9l) tine leg spacing
- ❖ 450mm tine length for improved trash flow

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GAE – 16 13 TINE CULTIVATORS



- ❖ The three point hitch mounted spring tine cultivator is one of the simplest and most useful cultivation and tillage tools you can own. The tractor mounted spring tine cultivator loosens the soil for quick and easy surface cultivation to easily prepare a seed bed for planting. The S-shaped tine spacing on the tool bar is adjustable to allow you to align the cultivator tines with your crop row spacing.
- ❖ The three point hitch mounted spring tine cultivator is available in widths of 5 ft., 6 ft, and 7 ft. Wide.
- ❖ Suitable for use with agricultural tractors of 80HP.
- ❖ Inter-row cultivator,
- ❖ Suitable for land up heaving and destroying weeds between plants.
- ❖ Guide discs, depth adjustment unit
- ❖ Crop Protection discs.
- ❖ 6 row, 13 Number of tines,
- ❖ working width 2100mm,
- ❖ working depth 100-250mm,
- ❖ Weight 170 Kg,
- ❖ 3 point suspension II type

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GAE – 17 TRAILER

- ❖ Body Length 3050mm
- ❖ Body width 1830mm
- ❖ Total Length 4300mm
- ❖ Capacity 3500Kg
- ❖ Wheels 10/75-15
- ❖ Packing Brakes standard
- ❖ Road light Kit standard
- ❖ Overrun Brakes standard
- ❖ HD Suspension standard



GAE – 18 MODEL TRACTOR



FARM TRACTOR 4 DRIVING WHEELS (on stand with wheels) – Electrical

Main technical specifications

- ❖ Support wheels
- ❖ Distributor
- ❖ Seat
- ❖ Plant cassette
- ❖ Ridging and transmission wheel
- ❖ Ploughshare
- ❖ Coupling for motor cultivator
- ❖ 4 cylinder perkins diesel engine
- ❖ CAV rotary injection pump
- ❖ Single disc clutch
- ❖ Speed gear with reduction unit
- ❖ Rear hydraulic lifter with differential locking and insertion of the front drive.
- ❖ 220volts operation Different parts colour coded for clarity and chromium plated/galvanized for longevity
- ❖ Cm: 360x185x215h
- ❖ Net Weight: kg 2000
- ❖ Gross Weight: kg 2470

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GAE – 19 FARM TRUCK



- ❖ Diesel powered
- ❖ Capacity 3.5 Tons
- ❖ Transmission - Manual transmission, 5-speed gear
- ❖ Suspension: leaf spring
- ❖ Standard wheel base

GAE – 20 HAND POWER TRACTOR



- ❖ with incorporated steering
- ❖ with a differential
- ❖ with 3 forward, 2 reverse and travel
- ❖ petrol engine at least 9hp 5] wheels 5.00x10 agricultural tread with the following attachments:
- ❖ Wheels
- ❖ pr. Spade lug wheels dia. 48cm speed to 50cm
- ❖ rotary transport tiller wheel Plough
- ❖ reversible plough Rotary cultivator
- ❖ rotary cultivator working width not less than 60cm Ridger
- ❖ ridger adjustable
- ❖ furrow width from 10cm to 30cm
- ❖ furrow depth from 10cm to 23cm
- ❖ Tined cultivator
- ❖ tined cultivator 70cm to 80cm Mower
- ❖ rotary mower approx. 100cm 2] all gear drive system
- ❖ Including collection system Potato digger
- ❖ potato lifter Trailer
- ❖ trailer for loads up to 400Kg 2] Seat as standard
- ❖ footbrake as standard 4] hand brake as standard Irrigation pump

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GAE – 21 INCUBATOR (CAPACITY 508 EGGS)



- ❖ Usage: Chicken, Bird, Emu, Ostrich, Turkey, Goose, Duck
- ❖ Egg Capacity(pcs): 264
- ❖ Voltage: 220V
- ❖ Power(W): 100W
- ❖ Dimension(L*W*H): 750mm*550mm*900mm
- ❖ Weight: 46KG
- ❖ Function: Full-automatic Poultry Egg Incubator

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GAE – 22 MOTORBIKES

- ❖ Length 82.3 in.
- ❖ Height 44.1 in.
- ❖ Width 32.3 in.
- ❖ Weight 260 lbs.
- ❖ Ground Clearance 10.4 in.
- ❖ Wheelbase 52.2 in.
- ❖ Seat Height 31.1 in.

ENGINE

- ❖ Engine Air-cooled, SOHC (or equivalent), 4-stroke single
- ❖ Displacement 196cc
- ❖ Bore x Stroke 67 X 55.7mm
- ❖ Compression Ratio 9.5:1
- ❖ Fuel System 28mm Mikuni
- ❖ Fuel Capacity 1.9 gal.
- ❖ Ignition CDI
- ❖ Clutch Manual

DRIVETRAIN

- ❖ Transmission 5-speed
- ❖ Final Drive Chain
- ❖ BRAKES/WHEELS/TIRES
- ❖ Brakes Front: 220mm disc
- ❖ Rear: 110mm drum
- ❖ Tires Front: 130/80-18
- ❖ Rear: 180/80-14

OPERATIONAL

- ❖ Suspension Front: Telescopic fork; 6.3 in. travel
- ❖ Rear: Swingarm w/single shock; 5.9 in. travel
- ❖ Maintenance and warranty:



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GAE – 23 FLOUR MILLING MACHINE



- ❖ Input maize --maize cleaner-- maize moisture dampener -- degerminator--roller mill-- double bin sifter super maize meal/special maize meal/maize grits-packing
- ❖ The control system: Control panel control or touch screen control
- ❖ Pipe in milling section is stainless Steel
- ❖ auto-roller mill and double bin sifter
- ❖ Japan Degerminator technology
- ❖ European Condition dampener
- ❖ Dimension(L*W*H): 10.5*6*4.3m
- ❖ Output-10-15tons per day
- ❖ Materials- Pipe in milling section is stainless steel, and moisture bin is stainless Steel
- ❖ Power- Electricity 220V/380V/440V 3phase 50Hz/60Hz 100KVA; 59.7kw
- ❖ Final products- corn grits/corn meal/corn flour

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GAE – 24 MAIZE SHELLER (TRACTOR DRIVEN)



- ❖ Operated by tractor P. T.O. shaft, 80HP,
- ❖ Suitable for husking, to thrash, to clean and sacks any type of maize in the same operation.
- ❖ Length 1350 mm,
- ❖ Width 1910 mm,
- ❖ Height 1690 mm,
- ❖ Weight 245 Kg,
- ❖ Rotor Rotation 1250 rpm,
- ❖ capacity of 3000-5400 Kg Bags/hour,
- ❖ Maximum P.T.O Speed- 540 rpm,
- ❖ Required Power-18 HP.

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GAE – 25 MAIZE SHELLER (HAND OPERATED)

- ❖ Hand Operated - Medium
- ❖ Efficiency: 40-60 kg/hr
- ❖ Threshing rate: >98%
- ❖ Breaking rate: <2%
- ❖ Weight: 7.5 kg



GAE – 26 WATER TANK

- ❖ Capacity :5000 litres
- ❖ Made of polycarbonate plastic.
- ❖ High rigidity.
- ❖ Weather proof.
- ❖ 3-layer coating for u.v protection.



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GAE – 27 POND LINER

- ❖ Dimension (36m by 18 m)
- ❖ Made of high quality material.
- ❖ Smooth edges.
- ❖ All corners is equipped with hooks for better handling



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GAE – 28 SELF PROPELLED SPRAYER



- ❖ Peak rated power 182.7 kW/245 hp
- ❖ Emissions Tier III
- ❖ Number of cylinders 6
- ❖ Displacement 6.8 L/414 cu in.
- ❖ Alternator 200 amp
- ❖ Fuel tank capacity 503 L/133 gal.
- ❖ Diesel exhaust fluid (DEF) tank capacity Not required

Solution System

- ❖ Capacity 3028 L/800 gal.
- ❖ Tank material Stainless steel (Polyethylene option)
- ❖ Rinse tank capacity 454 L/120 gal.
- ❖ Quick fill size 7.62 cm/3 in.
- ❖ Automatic section control Section Control Pro (optional)
- ❖ Solution system control Manual
- ❖ Fill location Side Fill
- ❖ Chemical injection method
- ❖ Chemical eductor Stainless steel
- ❖ Chemical eductor capacity (size)
- ❖ Flow meter size 2 (optional 2nd for high flow) in.
- ❖ Suction strainer 30 mesh
- ❖ Pressure strainer 50 mesh
- ❖ Boom strainer 80 mesh

Boom Specifications

- ❖ Boom length options 24.4, 27.4, 30.5 m/80, 90, 100 ft
- ❖ Automatic boom height BoomTrac Pro (3 or 5 sensor)
- ❖ Plumbing material Stainless steel (polyethylene option)
- ❖ Ground height adjustment 68.6 - 220 cm/27 - 86.5 in.
- ❖ Breakaway width 1.98 m/80-ft and 90-ft booms: 6.5 ft/3.05 m/100-ft boom: 10 ft

Drive Train Specifications

- ❖ Type Hydrostatic
- ❖ Drive Full time 4WD
- ❖ Shifting Electro hydraulic (on the go)
- ❖ Hydraulic reservoir capacity 64 L/17 gal.
- ❖ Spray speed range 0-32 km/h/0-20 mph
- ❖ Transport speed, maximum 48 km/h/30 mph

Chassis Specification

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❖ Dry compatible	No
❖ Suspension	4 Wheel independent strut-type with air springs
❖ Crop clearance with standard tires	152 cm60 in.
❖ Front tires	380/90R46, 320/90R46, 420/80R46
❖ Rear tires	380/90R46, 320/90R46, 420/80R46
❖ Flotation tires	520/85R38
❖ Hydraulic tread adjust	Hydraulic (manual optional)
❖ Wheel treads spacing	305-386 cm120-152 in.
❖ Wheel base	421 cm165.8 in.
❖ Turning radius	7.3 m24 ft
❖ Parking brake	Hydraulic release
❖ Primary brakes	Hydrostatic
❖ Ladder raise/lower	Hydraulic
❖ Total weight with 80-ft boom	10,315 kg22,741 lb
❖ Total weight with 90-ft boom	10,333 kg22,781 lb
❖ Total weight with 100-ft boom	10,651 kg22,821 lb
❖ Total weight with 120-ft boom	N/A

GAE – 29 COOLER (DEEP FREEZER)



❖ Type	Chest Freezer
❖ Capacity	720 Litres
❖ Dimensions (WxDxL, Inches)	95x28x33
❖ Temperature Range: -	20°C to 8°C
❖ Wheels	Yes
❖ Lock	Yes
❖ Defrost	Manual
❖ Rated load/Wattage	355
❖ No of Baskets/Shelves:	2
❖ No of Lids/doors	3

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GAE – 30 WEIGHTING SCALE (TROLLEYED)

- ❖ Trolley Scale
- ❖ Capacity - 300 kg x 20/50 gm
- ❖ Platform size (mm) - 450 x 750

Features:

- ❖ 20,00,000 Internal Resolution
- ❖ Full Digital Calibration
- ❖ 20 mm Super Bright LED Display
- ❖ Built-in Battery Backup
- ❖ Modular Design Compact and easy to install



GAE – 31 WEIGHTING SCALE (SPRING)

- | | |
|------------------|----------------|
| ❖ Type | Hanging Scale |
| ❖ Power Supply | None |
| ❖ Display Type | Dial. Showing |
| ❖ Rated Load | 200kg |
| ❖ Accuracy: | KG/LB |
| ❖ Body material: | Thickness Iron |
| ❖ Hook material: | Iron |
| ❖ Capacity: | 200kg |
| ❖ Hook: | 2pcs |
| ❖ Scale dia.: | 17cm |



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GAE – 32 WEIGHTING SCALE (TALKING)

❖ Type: Bench Scale	
❖ Rated Load	150kg
❖ Accuracy	10g
❖ Category	Electronic Balance
❖ Weighing Capacity (Kg)	150
❖ Readability(g)	10
❖ Repeatability(≤g)	±10
❖ Linearity(≤g)	±20
❖ Pan Size(mm)	420*520
❖ Gross Weight(kg)	21.1
❖ Net Weight (kg)	19.1



GAE – 33 BUCKETS

❖ Diameter	14"
❖ Height	11"
❖ Capacity	18 qts./4.5 gal.
❖ Stainless steel.	



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FARM EQUIPMENT AND TOOLS

GAE – 34 HOES/JEMBERS

- ❖ Standard
- ❖ Superior quality
- ❖ Front sharp edges painted with different colour.
- ❖ Fully powder coated for rust resistance.



GAE – 35 WHEEL BARROWS

- ❖ Load (KG) 130
- ❖ Weight (KG) 10
- ❖ Water Capacity 65
- ❖ Sand Capacity 5
- ❖ Wheel 14" x 4"A
- ❖ L x H x C x A x B x h 1430x515x527x830x680x250



GAE – 36 SLASHERS

- ❖ Blade Material Steel
- ❖ Handle Wooden
- ❖ Thickness of blade 1.6mm
- ❖ Material 65Mn steel
- ❖ Size 27"



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GAE – 37 PANGAS

- ❖ Blade Material Steel
- ❖ Handle Material Plastic/wood
- ❖ Thickness of blade 1.6mm
- ❖ Blade Curved
- ❖ Material 65Mn steel
- ❖ Size 16" 18"



GAE – 38 RAKE

- ❖ Material Carbon steel.
- ❖ Finishing color Powder coating as customer's color requirement.
- ❖ Teeth qty. 15 Tines
- ❖ Techniques Forging, one piece forged.
- ❖ L x W 16"X3.1/4"

Handle

- ❖ Material Wood
- ❖ Finishing Clear lacquer.
- ❖ L x OD 60"x1.1/4"
- ❖ Long straight handle



GAE – 39 SPADE

- ❖ Material Carbon Steel
- ❖ Handle Wooden
- ❖ Shovel head weight 2.0 – 2.5KG
- ❖ Finish Black Powder Coating



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GAE – 40 FORK JEMBES

- ❖ Standard
- ❖ Superior quality
- ❖ Different shapes and sizes for various operations.
- ❖ Made of solid iron.
- ❖ Fully powder coated for rust resistance.
- ❖ High quality teak handle.



GAE – 41 SHEARS

- ❖ Pruner Type Anvil
- ❖ Material: Metal
- ❖ Finishing: PTFE Coated

Feature:

- ❖ Anti-Slip Grip
- ❖ Grip: black TPR
- ❖ 8 1/2" Taiwan 215mm aluminum handle SK5 TPE blade Gear Anvil Pruning shear
- ❖ 2.5mm SK5 non-sticker coated upper blade
- ❖ Strong Aluminum handle with non-slip PVC grip



GAE – 42 WATERING CANS

- ❖ Color Galvanized Sheet
- ❖ Material Galvanized Sheet
- ❖ Sprinkler Type Other
- ❖ Capacity 10L



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GAE – 43 MATTOCKS

❖ Head Material	Steel
❖ Handle Material	Fiberglass/wood
❖ Overall Length	550MM
❖ Material	Carbon Steel
❖ Size	52*19*14cm
❖ Weight	2.5kg



GAE – 44 SHOWEL

❖ Material	Carbon Steel
❖ Application	Farming Shovel
❖ Handle material	Fiberglass/wood
❖ Dia of handle	32mm
❖ Thickness	1.6mm
❖ Surface	Black Powder Coated
❖ handle length	28"
❖ Shovel head weight	1.5-2.0Kg



GAE – 45 TROWEL

❖ Size	6"/7"/8"
❖ Blade material	carbon steel
❖ Blade thickness	0.8mm~1.5mm
❖ Handle material	wooden
❖ Surface finish	common polished/mirror polished



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GAE – 46 SECATEURS

- ❖ Pruning Tool Type: Garden Scissors
- ❖ Pruner Type: Bypass
- ❖ Material: Metal, Aluminium Body
- ❖ Finishing: PTFE Coated
- ❖ Feature: Anti-Slip Grip
- ❖ Weight: 230G
- ❖ Grip: Soft coating
- ❖ Aluminum handle with PVC dipping
- ❖ 65Mn blade with Teflon coating
- ❖ Weight: 230G
- ❖ Fine cutting ability



GAE – 47 HOOF CARE TOOL KIT

- ❖ Right hand and left hand pairing knives
- ❖ Double edge paring knife
- ❖ Narrow blade hoof knife
- ❖ Small double edged hoof knife
- ❖ Quitter knife
- ❖ Supplied in metal box



GAE – 48 BOLUS GUN

- ❖ Heavy-duty brass, plated with copper, nickel, and chrome.
- ❖ Barrel end especially curved in to eliminate sharp edges in animal's mouth.
- ❖ Barrel length: 17-1/2",
- ❖ inside diameter 13/16".
- ❖ Easily disassembled for fast and thorough flush cleaning.
- ❖ Designed to hold 5-6 large-size boluses.



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GAE – 49 DRENCHING GUN



- ❖ Capacity – 50cc
- ❖ Use this 50 cc drencher for treating bloat, giving oral supplements like Nutri-drench, oral medications such as wormers.
- ❖ Sold each
- ❖ Syringe has standard Luer Lock end
- ❖ Capacity: 50 ml - 50 cc
- ❖ The special end tube can be rotated to just the right position in the animals mouth.
- ❖ Clear plastic syringe has cc marks for easy measuring. It is made from food grade plastic
- ❖ and the whole thing comes apart easily for cleaning.
- ❖ Works with goats, sheep, calves, alpacas, llamas, and other small ruminants.
- ❖ Hamby Dairy Supply drenchers are available in 10 cc, 30 cc, 50 cc, 200 cc, 6.5 gallon,
- ❖ 55 gallon and 150 gallon sizes.

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GAE – 50 DRENCHING GUN



- ❖ Capacity – 200cc
- ❖ Use this 200 cc drencher for treating bloat, giving oral supplements like Nutri-drench, oral medications such as wormers.
- ❖ Sold each
- ❖ Syringe has standard Lure Lock end
- ❖ Capacity: 200 cc
- ❖ The special end tube can be rotated to just the right position in the animals mouth.
- ❖ Clear plastic syringe has cc marks for easy measuring. It is made from food grade plastic and the whole thing comes apart easily for cleaning.

GAE – 51 KNAPSACK SPRAYER

- ❖ Capacity minimum 20 litres
- ❖ hand held lance with pipe and connectors
- ❖ chemical resistant casing
- ❖ adjustable shoulder harness
- ❖ minimum spray height 7m
- ❖ spray with up to 0.8m



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GAE – 52 MILK CHURNS

- ❖ Type: Garden
- ❖ Material: Aluminum
- ❖ Sub-Type: Milk Cans/ Churns
- ❖ capacity - 10 gallon aluminum milk churn water tight



GAE – 53 SICKLES

- ❖ Size: Total Length: 340 mm (13.3 inches)
- ❖ Blade 170mm (6.6 inches)
- ❖ Material: Stainless steel
- ❖ Wood Handle.



GAE – 54 PRUNING SAW

- ❖ Heavy-duty hand saw with a 390mm (7.5 teeth per 30mm), curved, mono-constructed blade.
- ❖ Features:
 - ❖ rust-resistant, hard chrome-plated,
 - ❖ taper-ground curved blade with an impulse-hardened non-set tooth design.
- ❖ Curved blade provides greater cutting speed with less effort.
- ❖ Silky MIRAI-ME (Smooth Cutting) Technology with razor-sharp teeth with four cutting angles provides fast, clean and smooth cutting action.
- ❖ The black rubber handle holds the curved blade that fits securely inside its black polypropylene sheath with detachable belt holder.



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GAE – 55 FILES (ASSORTED)



- ❖ The Hand File is parallel in width for its length.
- ❖ It is Double Cut on both faces, Single Cut on one edge, but the other edge is blank and called the Safe Edge.
- ❖ Flat File is Double Cut on both faces and Single Cut on the edges.
- ❖ It tapers slightly towards the point
- ❖ Half-Round File is Double Cut on the flat side and Single Cut on the curved side.
- ❖ It tapers slightly towards the point in both width and thickness
- ❖ Round File is Double cut. It tapers slightly towards the point.
- ❖ Square File is Double Cut on all sides. It tapers slightly towards the point.
- ❖ Three Square File is Double Cut on all sides. It tapers slightly towards the point

GAE – 56 HAND GLOVES



- ❖ Glove Type: welding gloves
- ❖ Material AB grade cow split leather, no lining
- ❖ Weight 310g
- ❖ Size 14" -20"
- ❖ Application: Comfortable to wear, economical and flexible.
- ❖ Widely used in construction, maintenance, agriculture and many other general heavy-duty industry.

Feature

- ❖ Supply excellent grip in dry conditions for safe and secure handling comfort
- ❖ It can reduce hand fatigue
- ❖ With a durable medium duty, it has good resistance to puncture and abrasion

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GAE – 57 ELECTRIC ROOM HEATER

- ❖ 3 heat settings oil heater radiator
- ❖ Adjustable thermostat control
- ❖ Overheat protection system
- ❖ Indicator lights
- ❖ Pressure tested for safety
- ❖ Smooth castors for easy movement with cord storage
- ❖ Fins: 13
- ❖ Power: 2500W



GAE – 58 CHARCOAL HEATER

- ❖ Product material: full set in cast iron
- ❖ Product size: 40 x 36 x 49cm(H)

Including:

- ❖ 4-pc S/S chimney
- ❖ 1pc cast iron grid, 1pc cast iron plate
- ❖ 1pc cast iron grate
- ❖ 1pc wire lid lifter
- ❖ Cast iron door w/ glass window
- ❖ Package: set/carton, 1x20' – 452 sets, N.W.: 36kgs, G.W.: 38kgs



DAIRY EQUIPMENT

GAE-59 PORTABLE MILKING MACHINE SINGLE BUCKET

- ❖ Portable Milking Machine single Bucket
- ❖ 110V/220V, 50/60Hz, 1.1Kw
- ❖ Milking Time: 5-6 mins per cow
- ❖ Pulsation rate: 60/40
- ❖ Power: 110-220v, 50-60Hz, 0.75-1.1Kw
- ❖ Milking Time: 5-6 minutes/cow
- ❖ Pulsation Frequency: 60/40
- ❖ Bucket: 25L
- ❖ Material: Stainless steel, Polish treatment



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GAE-60 MILK CHURN MACHINE



- ❖ Designed according to ISO9001/GMP standard, widely used for mixing liquid medium in the food-processing, cosmetics and pharmaceutical industries
- ❖ 2000 Ltr Capacity
- ❖ Heating method - Electricity; 230 V, 50 Hz; Voltage 110-480V, 50/60Hz; motor- ABB, LOCAL, 50hz/ 60hz
- ❖ Material: SS304/SS316L
- ❖ Jacket: dimple jacket/ miller board, hollow jacket or coil pipe jacket etc.
- ❖ Insulation layer: PU Foam as to the thickness, we can make it according to your requirement.
- ❖ Configuration
- ❖ manhole
- ❖ CIP spraying ball
- ❖ adjusting feet
- ❖ sample valve
- ❖ temperature gauge
- ❖ pressure gauge
- ❖ level gauge
- ❖ Agitator
- ❖ Surface treatment - Inner mirror polished and outside polished (Inside Ra<0.6-micron, surface mirror polish Ra<0.9 micron)
- ❖ Available connection - Clamp, Thread Butt weld, Flange

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GAE-61 COOLER TANK



- ❖ Mixing tank comprising tank body, cover, agitator, supporting feet, transmission device and shaft seal device.
- ❖ Tank body, cover, agitator and shaft seal made of carbon steel or stainless steel
- ❖ Tank body and cover connected by flange seal or welding.
- ❖ Provisions for feeding, discharging, observation, temperature measurement, manometry, steam fractionation and safety vent.
- ❖ Transmission devices (a motor or a reducer) are installed on top of the cover and the agitator inside the tank is driven by stirring shaft.
- ❖ Shaft sealing device, machine seal, packing seal/labyrinth seal,
- ❖ 2,000 litres capacity
- ❖ Complete with agitator
- ❖ Automatic RL 10 Tank Cleaning
- ❖ All milk cooling tanks are cleaned before delivery and tested for functionality.
- ❖ Mixing speed - 36 Rev/min
- ❖ Dimensions: 2,70m x 1,55m x Height 1,35m + agitator.
- ❖ Complete with an integrated refrigeration unit

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GAE-62 SEMEN STORAGE REGRIGERATOR

- ❖ Adjustable temperature setting with range: +5°C to +40°C
- ❖ External dimensions: 85 cm × 60 cm × 60 cm
- ❖ 220 - 240 V / 50 Hz
- ❖ Capacity: 300 tubes/bottles



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ICT RESOURCE CENTRE FOR TRAINING IN AGRICULTURE FOR H.I
AND V.I LEARNERS
GAE-63
DESKTOP COMPUTERS



- ❖ Processor & Core Logic:
- ❖ Intel Core i7 processor (2.30- GHz, 2 MB L2 cache, 1066- MHz FSB) or Higher System Memory:
- ❖ Standard 2 GB, Upgradeable to at least 8 GB Storage Subsystem: At least 250GB 7200 rpm SATA 3.0 Form Factor: Micro Tower Display/Graphics :
- ❖ 17" TFT Flat panel Color LCD, Same brand as CPU 1024x768. Optical Drives: 16X DVD+/- RW
- ❖ Keyboard and Pointing Device: Enhanced keyboard 2 Button Scroll mouse
- ❖ Audio : Stereo audio system with 2 speakers Communication interface : 10/100 Mbs Fast Ethernet 56K ITU V.90 data/fax modem, wake-on-ring ready I/O interface ports: 1 x PS/2
- ❖ compatible keyboard or USB, 1 x PS/2 compatible mouse or USB 1 x 25 Pin Parallel Port, Front and rear USB Ports 1 X RJ45 jack for Ethernet, 1 x External VGA Port
- ❖ Operating System: MS Windows ® 7 down-gradable to XP Professional licensed with CDs
- ❖ Software : Latest Version, MS Office licensed with CDs, Latest Version of anti-virus with licensed CDs
- ❖ Power supply: 220 – 240 VAC , 50/60 Hz
- ❖ Warranty : One (1) Year Original detailed and highlighted Brochures MUST be submitted

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GAE-64 LAPTOP COMPUTERS



- ❖ LAPTOPS COMPUTER SPECIFICATIONS:
- ❖ Processor & Core Logic Intel(R) Core(TM) i3- 370M Dual Core processor (2.40GHz, 3MB L3 Cache) or higher
- ❖ System Memory Standard 2 GB, Upgradeable to at least 4GB
- ❖ Storage Subsystem: At least 160GB 7200 rpm SATA 3.0 Optical Drives: 16X DVD+/- RW
- ❖ Keyboard and Pointing Device: Enhanced keyboard
- ❖ 2 Button Scroll mouse
- ❖ Audio: Stereo audio system
- ❖ Communication interface: 10/100 /1000 Mbs Ethernet
- ❖ I/O interface ports : 1 x PS/2 compatible keyboard or USB
- ❖ x PS/2 compatible mouse or USB
- ❖ 1Xrj45 jack for Ethernet
- ❖ 1 x External VGA Port
- ❖ Operating System: MS Windows 7 Professional licensed with CDs upgradable to Win8
- ❖ Software: Latest Version, MS Office licensed with CDs
- ❖ Latest Version of anti- virus with licensed CDs
- ❖ Accessories: Executive leather carry case
- ❖ Power supply: 220 - 240 VAC , 50/60 Hz
- ❖ Warranty One (1) Year
- ❖ Original detailed and highlighted Brochures MUST be submitted

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GAE-65 PRINTER



- ❖ Monochrome multifunctional for A3 formats
- ❖ Technology Laser, Mono component
- ❖ Engine speed Up to 82/41 pages per minute A4/A3
- ❖ Resolution 1,200 dpi quality (1,800 dpi level x 600 dpi) (copy/print), 600 x 600 dpi, 256 greyscale (scan) Warm-up time 30 seconds or less from power on
- ❖ Time to first copy Approx. 2.9 seconds
- ❖ Dimensions (W x D x H)
- ❖ Main unit: 680 x 811 x 1,190 mm Weight Main unit incl. toner: Approx. 188 kg Power consumption Printing: 2000 W or less, Stand-by: 630 W, Sleep-mode: 10 W Power source AC 220 ~ 240 V, 50/60 Hz
- ❖ Noise (ISO 7779) Printing: 75 dB(A), Stand-by: 58 dB(A) Safety standards TÜV/GS, CE - This product is manufactured according to ISO 9001 quality standard and ISO 14001 environmental standard.
- ❖ PAPER HANDLING
- ❖ Input capacity 2 x 1,500 sheet high-capacity paper feeder, 60–160 g/m², A4, 2 x 500-sheet universal paper feeder, 60–160 g/m², A3– A5R, Folio; 100-sheet multi- purpose tray, 45–200 g/m², A3–A6R, Folio
- ❖ Max. input capacity with options 8,100 sheets A4
- ❖ Duplex unit Double- side printing as standard; A3– A5, 64–160 g/m²
- ❖ PRINT
- ❖ Processor Power PC750FX -600MHz
- ❖ Memory Standard 64 MB, max. 512 MB (2 additional DIMM slots for 32, 64, 128, 256 MB), 1
- ❖ CompactFlash® card slot Controller language

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- ❖ Prescribe
- ❖ Emulations PCL 6,
- ❖ KPDL3 (Postscript 3 compatible), Automatic Emulation Switching, KC GL (HP-7550A), Line Printer, IBM Proprinter X24, EPSON LQ 850, DIABLO 630
- ❖ Fonts 80 outline fonts (PCL6), 136 PostScript KPDL 3 fonts, 1 bitmap font, 45 types of one-dimensional barcodes plus two-dimensional barcode (PDF- 417)
- ❖ Features EMPS, Proof and hold, Private print, Job storage, Job management functionality
- ❖ COPY
- ❖ Max. original size A3 Digital copy features Energy save mode, Interrupt copy, Scan once print many,
- ❖ EcoPrint mode, Electronic sort, Rotate sort, Rotate copy, n-up copy, Split copy, Cover mode, Page numbering, Image overlay, Margin shift, Border erase, Positive negative, Mirror, Proof mode, Booklet copy, Program function, Job building, Job reservation, Image centring, Repeat copy, Form registration, Shared data box, Synergy print box
- ❖ Preset magnification ratios 22
- ❖ Reductions/9 Enlargements Zoom range 25 – 400 % in 1% steps
- ❖ Continuous copy 1 - 9,999
- ❖ Memory capacity Standard 128 MB and 40 GB HDD SCAN
- ❖ Bundled software DB- Assistant, Scanner file utility, Address Book, Address Editor, TWAIN source
- ❖ File type TIFF, PDF (high compressive/encrypted) Original recognition Text,
- ❖ Photo, Text + Photo, OCR Max. scan size A3
- ❖ Scan functionalities Scan-to-PC, Scan-to-email, Scan-to-email, Network TWAIN, Scan-to- SMB
- ❖ Scan resolution 600, 400, 300, 200 dpi
- ❖ Scan speed 110
- ❖ originals per minute (300 dpi/A4 Duplex) INTERFACES
- ❖ Standard interface Slot for optional CompactFlash®- Card, USB 2.0 (Hi-Speed), High speed bi-directional parallel (IEEE 1284), FastEthernet (10/100BaseTX), KUIO-LV interface slot

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GAE-66 SMART BOARDS



- ❖ Chipset – Intel HM76
- ❖ CPU – Intel i3
- ❖ RAM – 4G DDRIII
- ❖ HDD – 500G 2.5" SATA
- ❖ Graphics – Intel HD Video
- ❖ LAN – Gigabit Ethernet (Intel 82579)
- ❖ Wireless – Wifi 802.11b/g/n + Bluetooth (optional)
- ❖ Interface – VGA x 1/ IR x 1/ Line out x 1/ Mic x 1/ Reset x 1/ USB3.0 x 2 / 100M LAN x 1/ HDMI x 1
- ❖ Supported Operating Systems – Win XP / Win 2003 / Vista / Win 7 / Win 8 / Linux
- ❖ Warranty – 12 months

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APIERY SECTION GAE-67 BEEHIVES

- ❖ Top bar hive.
- ❖ Sharp corners.
- ❖ Made of high quality iron.
- ❖ Fully power coated for rust resistance.



GAE-68 BEE HARVEST KIT



- ❖ Kit includes a 6 gallon pail with gate, metal double honey sieve, stainless steel capping scratcher, cold uncapping knife, 5 gallon mesh filter bag and a comb capper (a handy tool that rests on the side of a 5 gallon bucket that allows for you to easily uncap your comb,

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GAE-69 FOUR FRAME MANUAL STAINLESS STEEL HONEY EXTRACTOR

- ❖ 4 Frame Stainless Steel Tangential Honey Extractor
- ❖ Food Grade Stainless Steel Drum
- ❖ Metal Gears
- ❖ Machine Rolled Edge on Drum
- ❖ Two Clear Removable Perspex Lids
- ❖ 3 Stainless Steel Legs
- ❖ Height Over Assembled Drum: 920mm
- ❖ Diameter: 475mm



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FARM MAINTANENCE GAE-70 THICKNESSAR



❖	Cutterhead	:	Spiral - 98 insert k
❖	Dust Port	:	5"
❖	Gross Weight	:	380Kg
❖	Infeed/Outfeed Roller	:	Serrated Steel /Knur
❖	Max Cutting Width	:	508mm
❖	Max Depth Of Cut	:	1.5mm
❖	Max Thickness Of Stock	:	210mm
❖	Motor	:	5.0 Hp Induction
❖	Stand Included Or Integral:	:	Enclosed Cabinet
❖	Table Material	:	Cast Iron Rise & Fal
❖	Table Size	:	508mm x 1410mm
❖	Workshop Footprint	:	1000mm x 1410mm x 11
❖	Feed Rate	:	4.8m/min or 6.2m/min
❖	Mininum Stock Thickness	:	6mm

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GAE-71 CIRCULAR SAW

- ❖ Max. Cut 55mm
- ❖ 24-Tooth TCT Blade
- ❖ Electric Brake
- ❖ Cast Magnesium Base & Guard
- ❖ Lock-Off Switch
- ❖ Without Riving Knife
- ❖ 165mm carbide blade, hex key.
- ❖ Specifications:
- ❖ Blade dia. 165mm x 20mm bore. Bevel capacity up to 50°. Overall length 360mm.
- ❖ Weight 3.5kg.



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GAE-72 RADIAL SAW



- ❖ Ideal for cross cutting, bevel and mitre cutting most hard and soft woods. Robust construction, including strengthened column assembly and base support for the
- ❖ arm and provision for adjustment
- ❖ 2000 Watt, 230V motor
- ❖ 3000rpm blade speed
- ❖ 300mm, 32 tooth saw blade with 30mm bore
- ❖ Max. crosscut capacity 507mm
- ❖ Max. depth of cut (saws) 90mm
- ❖ Dimensions (DLH) 1200x1490x1470mm

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GAE-73 VERTICAL BAND SAW



- ❖ Use: Cutting curves vertically
- ❖ Saw Wheel Diameter 900 mm
- ❖ Table size 1400 x 850 mm
- ❖ Table height from floor 1030 mm
- ❖ Max. distance from guide to table 400 mm
- ❖ Blade length 5909 - 5999 mm
- ❖ Width of blade 125 mm
- ❖ Fence operating 370 mm
- ❖ Feed operating 300 mm
- ❖ Dust hood diameter 4" x 2
- ❖ Air pressure 5 kg/cm²
- ❖ Feed speed (Variable) 8-32 m/min)
- ❖ Saw wheel drive motor 30 HP
- ❖ Feed drive motor 2 HP
- ❖ Blade linear speed 2300 m/min
- ❖ Net weight 1750 kgs
- ❖ Gross Weight 2000 kgs
- ❖ Machine Size (L x W x H) 1980 x 1230 x 2540 mm
- ❖ Packing Size (L x W x H) 2650 x 1450 x 2200 mm

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GAE-74 SPINDLE MOLDER



- ❖ A high production machine with a quality build structure.
- ❖ A heavy duty spindle moulder with an electro spindle as heart. The range of rpm is infinitely variable from 900 to 12.000 rpm, electronically adjusted by the inverter.
- ❖ Quick and safe tool change system for the highest working flexibility – this is the same tooling systems used in CNC machining centres.
- ❖ The Flex fence has a unique 250mm stroke with two programmable axis.
- ❖ The Easy controller combines the user friendly programming on a 7" colour screen and the advantage to control all machines' programmable axis (Flex fence, in feed Flex fence, spindle rising/lowering and tilting, Fast table).
- ❖ Exclusive new operator's help functions will make it easy to set up the machine even with tilted shaft.
- ❖ This model can also be fitted with a range of optional extra's such as the front sectional Fast table (replaces the standard rings) for a quick and safe set up.
- ❖ Adding the 2 axis programmable feeder support the Easy control will manage all 8 programmable axis for the maximum possible working flexibility.
- ❖ Worktable dimensions: 1200x730mm
- ❖ Maximum tool diameter retractable under worktable: 300mm
- ❖ Tool rotating speed with inverter: 900-12.000 rpm
- ❖ Motor power 7.5 (10) kW (Hp)
- ❖ Upper mobile control panel

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GAE-75 CHAIN MORTISE



- ❖ This mortiser is meant for in-the-field repairs, or for private builders.
- ❖ Cross-grain mortising is rapid, saving time, leaving a cleaner mortise and perfect, perpendicular mortise ends, needing much less chiseling.
- ❖ The machine glides easily without clogging shafts or bushings.
- ❖ Voltage - 240V.
- ❖ This new smaller version of the professional KSP 16 mortiser shares many of its popular successful features:
 - ❖ Ergonomic safety switch and handle
 - ❖ 1400 W motor
 - ❖ Hard-chromed and polished shafts on space-age Ertalite bushings
 - ❖ Side fence
 - ❖ Scribe plate for easy viewing and setting of position
 - ❖ Good chip ejection with safety guard on.

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GAE-76 TENONER



- ❖ Use: Making Tenon joints
- ❖ Cutter tenon spindle diameter 50mm
- ❖ Cutter tenon spindle rotary speed 6000rpm
- ❖ Working thickness 180mm
- ❖ Working width 590mm
- ❖ Installed power 17.95kw
- ❖ Rated voltage 380V 50Hz 3ph
- ❖ Machine dimension 3100x1500x1450mm

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GAE-77 WOODWORKING LATHE



- ❖ Use: Wood curling
- ❖ Curling diameter : 30 – 130mm
- ❖ Max length : 150 – 1200mm
- ❖ Spindle velocity : 3000 – 4000r/min
- ❖ Air pressure : 0.7 – 0.9mpa
- ❖ Hydraulic pressure : 35kg/cm²
- ❖ Total power : 6.2kw
- ❖ Dimension of : 2700x1500x1520mm
- ❖ Machine weight : 1500kg

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GAE-78 DISK SANDER



- ❖ This 12 in. disc sander is ideal for shaping and smoothing edges.
- ❖ Constructed of cast aluminum, this disc sander is built tough and its 1-1/4 HP motor reaches speeds of up to 1750 RPM to get your job done quickly.
- ❖ Featuring a cast aluminum table and disc guard, this disc sander is a great addition for any craftsman putting finishing touches on projects.
- ❖ Powerful 1-1/4 HP motor delivers 1750 RPM
- ❖ Durable cast aluminum table and disc guard
- ❖ Table tilts 0°-30° and 0°-50° in 10° increments
- ❖ Miter gauge adjusts from 30° - 90° L/R in 1° increments
- ❖ vacuum port: 2.802
- ❖ Miter gauge adjusts from 30° - 90° L/R in 1° increments
- ❖ vacuum port: 2.802
- ❖ Table height: 7-5/8 in. from base
- ❖ Diameter 12 in

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GAE-79 BELT SANDER



- ❖ Timesaver Heavy Duty Widebelt Sander
- ❖ 36" width capacity
- ❖ Combination sanding head with 4" diameter spiral grooved rubber contact drum and polishing platen
- ❖ 37" x 60" abrasive belt
- ❖ 8" Thickness capacity
- ❖ 20HP main motor
- ❖ 1HP feed motor, variable speed of 10FPM to 45FPM
- ❖ 24" Infeed conveyor bed
- ❖ Double infeed and outfeed rubber covered holddown rollers
- ❖ 230V, 3Ph. Total amps: 54.

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TOOLS GAE-80 JACK PLAIN



- ❖ The plane's body is made of stress-relieved gray cast iron. The frog is made of brass. The 3 mm thick high carbon steel blade is hardened to 61 - 63 HRC and connected with a thick and stable chipbreaker. The handles are made of Bubinga.
- ❖ With the introduction of this plane we trust to have closed the large gap between the cheap planes and the premium planes. This plane is the missing link regarding quality and price.
- ❖ Total length 353 mm (14 in.)
- ❖ Width of body 62 mm (2-7/16 in.)
- ❖ Blade width 50.8 mm (2 in.)
- ❖ Blade thickness 3.2 mm (1/8 in.)
- ❖ Blade hardness: 61 - 63 HRC
- ❖ Chipbreaker thickness 3 mm (1/8 in.)
- ❖ Iron bedded at 45°
- ❖ Weight 2750 g (6 lbs)

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GAE-81 BASIC TOOLS KIT FOR WOOD WORK



Measuring tools:

Combination square
Sliding bevel
Marking gauge
Framing square
Steel tape (10' or 12')
Folding rule
Compass

Scratch awl Cutting tools:

Crosscut saw (12 pt.)
Rip saw (6 1/2" or 7 1/2" pt.)
Backsaw or dovetail saw (15 tpi)

- Coping saw
- Hacksaw
- Slip-joint pliers
- Needle-nose pliers
- Diagonal cutters
- Shaping tools:
 - Smooth plane
 - Low-angle block plane
 - Wood chisels (1/4", 1/2", 3/4", 1")
 - Single-cut mill bastard file
 - Round rasp
 - Flat rasp
 - Cabinet scraper and hand scrapers
 - Utility knife
- Joining tools:
 - Claw hammer (16 oz.)
 - Finish hammer (8 oz.)
 - Nail set
 - Wooden mallet
 - Screwdrivers (straight, Phillips)
 - Doweling jig
 - Bench vise or clamping system
 - Bar or pipe clamps (2-3' and 2-5' min.)
 - Handscrews
 - C-clamps

Safety and maintenance.

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- Face shield or safety glasses
- Hearing protector
- Dust mask or respirator
- Sharpening stone (dual- purpose, coarse/fine)

Portable power tools:

- Router (1 hp, 1/4 " collet) Purchase bits as needed; bead, chamfer, cove, straight, round-over, rabbet.
- Circular saw (7 1/4")
- Drill (3/8" variable speed)
- Twist drills (1/16 -3/8 ")
- Spade-shaped drill bits
- Brad-point drill bits
- Jigsaw
- Random-orbit sander
- Belt sander (3X21" with dust collection)

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GAE-82 BASIC HAND TOOLS SET



BIHEXAGON SOCKET SET

26 pieces - metric sockets: 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32, 33 and 36 mm.

Hex bit sockets: 4, 5, 6, 7, 8, 10, 12, 14, 17 and 19 mm.

Phillips sockets: 2, 3 and 4.

Spark plug sockets: M14 and M10.

Chrome molybdenum screwdriver bits: 9 and 14 chemically blacked.

Accessories:

Extension bars: 75, 125, 250 mm.

Universal-joint.

T-handle.

Swivel handle and black rubber ratchet handle.

Robust fitted case with magnetic parts tray, security padlock and cushion grip handle. SCREW DRIVER SET

Handle material is exceptionally resistant to hydrocarbon and other oils.

Flanged tang molded inside handle.

Chrome plated vanadium steel.

Short blasted tip.

Tray or container.

Flared and parallel tips each of:

No. Blade Blade Blade (piece) width thickness length (mm) (mm) (mm)

2 5.5 2 100

2 6.5 1.2 125

2 6.5 1.2 150

3 8.0 1.2 150

3 8.0 1.6 200

3 10.0 1.6 200

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3 12.0 2.0 250

[14] Philips or pozidrive tips: No. Trip No. Blade Blade (piece) diameter length (mm)

(mm)

2 PZ1 5.0 30

2 PZ2 6.0 30

2 PZ0 4.0 75

2 PZ1 5.0 75

2 PZ1 5.0 100

3 PZ2 6.0 125

3 PZ3 8.0 150

3 PZ4 9.9 200

* PZ = ISO code 2,380 and 4,757

[15] 3/8" square drive insert bit set (17 pieces)

- It is a bit adapter set and can be used with socket accessories or torque wrenches.
- House or container made of steel box and bits fitted with a form or plastic insert.
- Bit set consists of:
- Universal bit adapter.
- Spinner handle.
- 4 metrics hexagon bits, 3, 4, 5, 6 mm.

- 5 A/F hexagon bits 3/32, 1/8, 5/32, 3/16, _ inches.

- 3 long reach slotted screw insert bits 3, 4, 5.5 mm.

- 3 pozidrive bits PZ1, PZ2, PZ3.

- Container or box with cover. **INSULTATED PLIERS SET**

[16] They are for electricians used.

[17] High quality steel in good forging.

[18] Hot forged for strength and durability.

[19] Smooth action.

[20] Anti-slip moulding handle.

[21] Insulated handle.

[22] Pliers set are supplied the same brand consisting of:

- 5 multi-grip plier jaw or channel lock pliers.
- 240 mm. long max. jaw opening more 45 mm.
- Slip joint with more than 6 positions.
- 5 combination pliers.
- Serrated jaw with cutting edge.
- Max. wire cutting 1.6 mm.
- 180 mm. long.
- 5 snipe nose pliers or long nose pliers.
- Taper straight nose with serrated jaw and side cutter.
- Max. wire cutting 1.6 mm.
- 200 mm. long.

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- 5 diagonal cutter pliers or side cutter pliers.
- Fine sharpened for cutting copper wire.
- Max. wire cutting 1.6 mm.
- 160 mm. long.
- 5 wire stripper pliers.
- Spring release.
- Adjustable screw with lock nut for repetition work.
- Strip wire cap. 0.5 - 6 mm.
- 160 mm. long.
- 5 end cutter pliers.
- Finely sharpened for cutting copper wire.
- Max. wire 1.6 mm.
- 160 mm. long (approx.).
- Cantilever tool box.
- 3 tier construction.
- Double handle closing 5 compartments.

HAMMER TOOL SET

Steel Hammer

- [23] Drop forging hammer processing.
- [24] Wooden or fiberglass handles.
- [25] Hammer head fixing (wooden handle).
- [26] 1-ball pein hammer size 4 Oz. 270 mm. long 65 head width 18 head thick.
- [27] 1-ball pein hammer size 16 Oz. 350 mm. long 100 head width 29 head thick.
- [28] 1-joiners warrington hammer No.0 size 8 Oz. 270 mm. long 105 head width 25 head thick.
- [29] Steel claw hammer (for nailing) size 16 Oz. 320 mm. long 130 head width 32 head thick.
- [30] Club hammer size 4 lbs. 240 mm. long 100 head width 42 head thick.

Soft Face Hammer

- [31] 1-Copper/Copper hammer size 32 Oz. hammer No.1 face dia. 32, 280 mm. long.
- [32] 1-Nylon soft face hammer size 24 Oz. face dia. 38, length 300 mm.
- [33] 1-Rubber mallet size 24 Oz. head size 74x127 mm, length 380 mm.

Cold chisels

- [34] 2-cold chisels blade width 10 mm. length 150 mm.
- Item Code Item Description / Specifications
- [35] 2-cold chisels blade width 16 mm. length 200 mm.
 - [36] 1-pinch bars blade width 25 mm. length 450 mm.

Punches

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- [37] 2-center punches trip O 6 mm. length 150 mm.
[38] 2-taper punches trip O 6 mm. length 150 mm.
[39] 2-automatic center punch
- Pushing the end cap cause a spring to release for impact action.
 - Impact is adjusted by rotation of the knurl.
 - Trip O 6 mm. length 140 mm.

- [40] Hacksaw 2 sets.
- Light weight construction resistant to oxidising.
 - Unique design giving increased blade tension.
 - Front hand rest.
 - Hand guard protection.
 - Die cast Aluminum handle and square section frame.
 - Cantilever blade adjustment.
 - Blade length 300 mm. standard size.
 - 24 blades for 18 TPI (Teeth per Inch) HSS.
 - 24 blades for 24 TPI HSS.

- [41] Files with handles.
- 2-half round files 200 mm. long.
 - 2-round files 200 mm. long.
 - 2-flat files (corse) 200 mm. long.
 - 2-flat files (fine) 200 mm. long.
 - 2-square files 200 mm. long.

[42] Pullers

They are suitable for moving gears bearings sprockets and pulleys which be strong gripping and made of drop forged from high quality steel and heat treated.

- Twin and tripple leg pullers.
- Internal and external used.
- 1-twin leg puller spread 150 mm. reach 80 mm.
- 1-twin + triple leg spread 200 mm. reach 140 mm.
- 1-bearing puller kit.
- Bearing separators fit behind bearing where puller jaw cannot enter.
- All kits supplied in a metal case.
- kit content:
- Bearing separator 35 - 140 mm. capacity used with 2-leg puller.
- Beam, screw, thrust nut and thrust race.
- Main rods, nuts and washers (2).
- 125 mm. extension rods (2)
- Extension rods (4)
- Separated.

[43] Lock grip plier.

It is serrated curved jaws with power full locking mechanism and quick release lever and froged jaws are harded. high quality housing.

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- 2-curves jaw lock grip pliers 190 mm. length 42 mm. jaw capacity.
 - 2-curves jaw lock grip pliers 235 mm. length 63 mm. jaw capacity.
 - 2-straight jaw lock grip pliers 190 mm. long 42 mm. jaw capacity
235 mm. long 63 mm. jaw capacity.
- [44] 6 wires crimpers.
- Color coded crimping.
 - Screw shear cuts terminal screw.
 - Crimp ignition wire cutter.
 - General purpose wire cutter.
 - Wire stripping range 0.70 to 6 mm. O wire.
 - Rubber insulated handle.
- [45] A 5-drawer roller cabinet.
- Heavy duty plate side handles.
 - Ball bearing slides.
 - 5-drawers with sliding rail with key.
 - Drawer dimension width depth height (mm.) (mm.) (mm.)
 - 2 drawers (with 580 410 52
9 compartments)
 - 2 drawers 580 410 100
 - 1 drawer 580 410 160
 - 2 swivels and 2 fixed castors dia. 125 mm.
 - Top can be mounted to form 25 mm. deep tray reversed to provide
a smooth for work table.

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GAE-83 MEASURING TOOL KIT



- ❖ Measuring equipment to be used for machining shop works.
- ❖ Measuring tools set must be manufactured and meet accuracy according to ISO or JIS or DIN standard.
- ❖ [3] 10 PCS., VERNIER CALIPER:
 - ❖ 6 inch. / 150 mm. size
 - ❖ Accuracy of 1/128 inch. and
 - ❖ 0.05 mm.
 - ❖ Used to measure outside/inside and depth dimensions.
 - ❖ Scale type with lock screw.
 - ❖ Made of stainless steel.
- ❖ [4] 10 PCS., VERNIER CALIPER:
 - ❖ 6 inch. / 150 mm. size
 - ❖ Accuracy 0.001 inch. and
 - ❖ 0.02 mm.
 - ❖ Used to measure outside/inside and depth dimensions.
 - ❖ Scale type with lock screw.
 - ❖ Made of stainless steel.
- ❖ [5] 2 SETS, DIAL VERNIER CALIPER:
 - ❖ 150 mm. size
 - ❖ Reading at dial with accuracy of 0.01 mm.
- ❖ [6] 2 SETS, DIGITAL VERNIER CALIPER:

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- ❖ 150 mm. size
- ❖ Reading through LCD with accuracy of 0.01 mm. and 0.0005 inch.
- ❖ Inch. or mm. measuring can be selectable
- ❖ [7] 1 SET, DIGITAL VERNIER CALIPER:
- ❖ 300 mm. size.
- ❖ Reading through LCD with accuracy 0.01 mm. and 0.0005 inch.
- ❖ Inch. or mm. measuring can be selectable.
- ❖ [8] 5 SETS, OUTSIDE MICROMETER:
- ❖ - 0-25 mm. size with accuracy
- ❖ 0.01 mm.
- ❖ Measuring faces are carbide tips
- ❖ Ratchet stop type or friction drive type.
- ❖ Lockable at any position.
- ❖ [9] 5 SETS, OUTSIDE MICROMETER:
- ❖ - 25-50 mm. size with accuracy
- ❖ 0.01 mm.
- ❖ Measuring faces are carbide tips.
- ❖ Ratchet stop type or friction drive type.
- ❖ Lockable at any position.
- ❖ [10] 5 SETS, OUTSIDE MICROMETER:
- ❖ - 50-75 mm. size with accuracy
- ❖ 0.01 mm.
- ❖ Measuring faces are carbide tips.
- ❖ Ratchet stop type or friction drive type.
- ❖ Lockable at any position.
- ❖ [11] 5 SETS, OUTSIDE MICROMETER:
- ❖ 75-100 mm. size with accuracy 0.01 mm.
- ❖ Measuring faces are carbide tips.
- ❖ Ratchet stop type or friction drive type.
- ❖ Measuring error _0.003 mm.
- ❖ Lockable at any position.
- ❖ [12] 1 SET, INSIDE MICROMETER:
- ❖ 25-50 mm. size with accuracy of 0.01 mm.
- ❖ High-grade steel measuring face
- ❖ Ratchet stop type or friction drive type.
- ❖ Lockable at any position
- ❖ [13] 1 SET, DEPTH MICROMETER:
- ❖ 0-150 mm. size with accuracy of 0.01 mm.

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- ❖ Measuring spindle is harden and ground.
- ❖ Base size is min. 100 mm.
- ❖ Ratchet stop type or friction drive type.
- ❖ [14] 1 SET, UNIVERSAL BEVEL PROTECTOR:
 - ❖ A complete set of Universal Bevel Protector.
 - ❖ Protector head with magnifier lens, 12" blade.
 - ❖ Graduation 1[∞] Dial, 5 min. Vernier.
 - ❖ - Hardened stainless steel.
- ❖ [15] 10 SETS, SCREW PITCH GAUGE:
 - ❖ Set of metric screw pitch gauge size 0.4-0.7 mm. min. 21 pcs./set
 - ❖ Unified screw pitch gauge size 4-12 TPI min. 42 pcs./set and can be
 - ❖ lockable.
- ❖ [16] 10 SETS, RADIUS GAUGE
 - ❖ - Size 0.5-13 mm. (0.5 mm. stepped)
 - ❖ - Furnished with 15 pcs./set.
- ❖ [17] 1 SET, COMBINATION SQUARE:
 - ❖ Blades size 300 mm.
 - ❖ Square head 45[∞] and 90[∞]
 - ❖ Complete with center head and protractor head
 - ❖ Scale graduation 0.5 mm, 1 mm.
- ❖ [18] 1 SET, MORSE TAPER GAUGE:
 - ❖ - Size of MT1, MT2, MT3
 - ❖ (Outside and Inside)
- ❖ [19] 1 SETt, GAUGE BLOCK
 - ❖ Made of steel alloy
 - ❖ Metric system, 32 pcs./set, quality grade zero, including certification.
 - ❖ Including with maintenance kit set
- ❖ [20] 1 SET, SINE BAR:
 - ❖ - Size 150 mm.
- ❖ Item Code Item Description / Specifications
- ❖ [21] 1 TOOL CABINETS
 - ❖ - Steel cabinet size (approx) WxDxH = 90x45x75 cm. with 2 sliding glass door standard

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