

CNC Turning Centre Lathe with Industrial control, Electrical Control Box, Central Automatic Lubrication System, LM Guides for X & Z Axes, 8 Station Programmable Turret, Flood Coolant System, hydraulic Chuck, hydraulic tailstock

- The turning center is a 2 axis production machine with 8 station programmable turret.
- The machine is built on casted base and bed and offered with industrial CNC control tank
- It is offered with industrial CNC control system, Siemens/ Fanuc
- Other features include dynamically calibrated cartridge spindle, hydraulic Chuck and manual tailstock, removable chip tray.
- It comes automatic lubrication system and adjustable flood coolant system
- Option: Automatic door, safety interlock, chip converyop

Objective

Understand the concept, components of advanced industrial machine and learn about the advanced Fanuc/Siemens/Syntec controller handling & programming skills for a turning machine to produce

different kinds of components with optimized cycles and execute different kinds of practical applications simulated as exercises.



Having successfully completed this lab, the student will demonstrate knowledge in -

- · Learn about techniques to optimize the cutting parameters
- · Advanced programming techniques matching industrial standards.
- · Advanced machining cycles & control techniques.
- Knowledge on centralized Lubrication and re-circulating coolant system
- Learn about Intricate Tool changers system.
- Maintenance of CNC machineries and Trouble shooting

SPECIFICATIONS		
Axes		
X- axis travel	mm	130
Z - axis Travel	mm	400
Programmable feed rate	mm/min	0-10000
Rapid feed rate	mm/min	30000
Axis motor X / Z Type		AC SERVO MOTOR
Slides		Linear Motion Guide ways
CAPACITY	·	
Chuck size (Manual/ Hydraulic)	mm	200
Chuck Type		Hydraulic
Maximum turning Diameter	mm	225
Maximum turning Length	mm	350
Bed	type	45 deg Slant bed
No. of axes	no	2
Swing over cross slide	mm	160
Swing over bed	mm	528
Distance between centers	mm	410
ACCURACY		
Positioning Accuracy	mm	0.01
Repeatability	mm	±0.005
SPINDLE	-	
Spindle nose taper		A2-5
Bore through spindle	mm	52

Note: Specifications are subject to change.

Tesca Technologies Pvt. Ltd.

IT-2013, Ramchandrapura Industrial Area, Sitapura Extension, Near Bombay Hospital, Vidhani Circle, Jaipur-302022, Rajasthan, India, Tel: +91-141-2771791 / 2771792; Email: info@tesca.in, tesca.technologies@gmail.com

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	T	1		
Bar stock Dia for Manual chuck	mm		48	
Bar stock Dia for Pnu / Hyd chuck	mm		46	
Spindle run out	mm	0.005		
Programmable spindle speed	rpm	150 - 4000		
Spindle motor: Continuous (15 min rated)	kW	"Fanuc:	5.5 (7.5); Siei	mens: 5.5 (7.5)"
CNC detail				
Control system		"SIE	MENS 828D; F	ANUC 0i TF"
Turret				
Tool cross section	cross section 25 x 25			
No. of Station	no	8 (BTP 80)		
Indexing Time Adjacent Tool &180 Deg	Sec		0.45 / 1	6
Boring bar size(capacity)	mm		40	
Tailstock				
Tailstock base travel	mm		190	
Tail stroke Quill Stroke	mm		100	
Quill Diameter	mm		80	
Tail stroke Taper			MT-4	
Coolant / Lubrication	I	I .		
Capacity	L		100/ 25 l	PM
Coolant motor	kW		0.37	<u> </u>
Lubrication	-		Automa	tic
Hydraulic Power Pack			714401114	
Hydraulic power pack	L		30 Lts	
System pressure	kg/ cm3		30 kg / cm2	
Power source	Rg/ cmo		50 kg / c	
Power Required	KVA		16	
Main supply (±10 %)	1077		415V, 3 Ph., 50/60 Hz	
Stabilizer			3 phase servo type	
Machine dimensions			5 pridoc serv	0 0,00
L x W x H	mm		2200 x 1860	x 1900
Weight (approx)	Kgs		2650	X 1300
Features	1190		2000	
Compatibility / Upgradable			FMS / CIM s	vstem
Standard Accessories			TMS / CIM S	ystem
User Manual CD			No.	1
Allen Key (full Set)			Set	1
Double Ended Spanner			Set	1
Screwdriver (Full Set)			Set	1
Oilcan			Nos.	1
			Nos.	1
Brush 63mm				3
Billets MS			Nos.	
Control box Key		Nos.	1	
MOP Key Foot Switch (for Hydraulic Chuck & Tail Stock)		Nos.	1	
Foot Switch (for Hydraulic Chuck & Tail Stock) Nos. 2			۷	
included when hydraulic accessories ordered Ethernet Cable			Noc	4
			Nos.	1
Chuck Key Vibration Pad with holt		Nos.	1	
Vibration Pad with bolt			Nos.	5
Eye Bolt M24			Nos.	4
Leveling Plate with Bolt			Nos.	1
Soft Jaw			Set	1
Hardened Jaw			Set	1

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Releaser Nut with spanner			
Boring Bar Sleeve with Grub Screw Dia 6.8,8,10,12,16,20mm	Releaser Nut with spanner	Nos.	1
Axial Tool Mount		Nos.	1
Radial Tool Mount	<u> </u>	set	
Flash Card 2GB		Nos.	2
Adapter (For Fanuc only)	Radial Tool Mount	Nos.	4
Card Reader with Cable		Nos.	1
Touchup Paint (Small can)	Adapter (For Fanuc only)	Nos.	1
Air Gun with 8mm Spiral hose and Connector	Card Reader with Cable	Nos.	1
NOTE: Oil and coolant to be purchased locally by the user, as international shipment is being restricted by customs rules Tooling Package Turning & Facing Tool holder with Insert (Shank size 25 x 25 mm) Set 1 External Freading Tool Holder with Insert (Shank size 25 x 25 mm) Set 1 External Grooving Tool Holder with Insert (Parting up to dia38mm) Set 1 External Grooving Tool Holder with Insert (Parting up to dia38mm) Set 1 External Grooving Tool Holder with Insert (Parting up to dia38mm) Set 1 External Grooving Tool Holder with Insert (Parting up to dia38mm) Set 1 External Grooving Tool Holder with Insert (Parting up to dia38mm) Set 1 External Grooving Tool Holder with Inserts (Shank dia 16 mm) Set 2 Internal threading Tool holder with inserts (Shank dia 16 mm) Set 1 Internal threading Tool holder with inserts (Shank dia 16 mm) Set 1 External Grooving Tool Holder with inserts (Shank dia 16 mm) Set 1 Internal threading Tool holder with inserts (Shank dia 16 mm) Set 1 Internal threading Tool holder with inserts (Shank dia 16 mm) Set 1 Internal threading Tool holder with inserts (Shank dia 16 mm) Set 1 Internal threading Tool holder with inserts (Shank dia 16 mm) Set 1 Internal threading Tool holder with inserts (Shank dia 16 mm) Set 1 Internal threading Tool holder with inserts (Shank dia 16 mm) Set 1 Internal threading Tool holder with inserts (Shank dia 16 mm) Set 1 Internal threading Tool holder with inserts (Shank dia 16 mm) Set 1 Internal threading Tool holder with inserts (Shank dia 16 mm) Set 1 Internal threading Tool holder with inserts (Shank dia 16 mm) Set 1 Internal threading Tool holder with inserts (Shank dia 16 mm) Set 1 Internal threading Tool holder with inserts (Shank dia 16 mm) Set 1 Internal threading Tool Holder with inserts (Shank dia 16 mm) Set 1 Internal threading Tool Holder with inserts (Shank dia 16 mm) Set 1 Internal threading Tool Holder with inserts (Shank dia 16 mm) Set 1 Internal threading Tool Holder with inserts (Shank dia 16 mm) Set 1 Internal threading	Touchup Paint (Small can)	Nos.	1
Tooling Package			_
Tooling Package Turning & Facing Tool holder with Insert (Shank size 25 x 25 mm) Set	NOTE: Oil and coolant to be purchased locally by the user, as international	ational shipme	ent is being
Turning & Facing Tool holder with Insert (Shank size 25 x 25 mm)	restricted by customs rules		
Copy Turning LH, N, RH Tool Holder with Insert (Shank size 25 x 25 mm) Set 1	Tooling Package		
External Threading Tool Holder with Insert (Shank size 25 x 25 mm) Set	Turning & Facing Tool holder with Insert (Shank size 25 x 25 mm)	Set	1
External Grooving Tool Holder with Insert (Parting up to dia38mm) Set 1	Copy Turning LH, N, RH Tool Holder with Insert (Shank size 25 x 25 mm)	Set	1
(Shank size 25 x 25 mm), 3 mm Soring bar tool holder with inserts (12 mm, 16 mm) Set 2	External Threading Tool Holder with Insert (Shank size 25 x 25 mm)	Set	1
Boring bar tool holder with inserts (12 mm, 16 mm) Set 2	External Grooving Tool Holder with Insert (Parting up to dia38mm)	Set	1
Internal threading Tool holder with inserts (Shank dia 16 mm) Set 1	{Shank size 25 x 25 mm), 3 mm		
Spirex Tap(ISO) M8	Boring bar tool holder with inserts (12 mm, 16 mm)	Set	2
Centre drill (shank dia 8 mm, Tip dia 2 mm) Set 1	Internal threading Tool holder with inserts (Shank dia 16 mm)	Set	1
Centre drill (shank dia 8 mm, Tip dia 2 mm) Set 1	Spirex Tap(ISO) M8	Set	
Twist Drill (6,8,110,12,16 mm) Set 1		Set	1
Optional Accessories A) Automatic Door no. 1 Stabilizer 15 KVA Nos. 1 OPTIONAL: SET OF STANDARD OPERATION AND MAINTENANCE SPARES FOR ONE YEAR Spindle Belt No. 1 Encoder Belt No. 1 Flexible Coolant Hose No. 1 Soft Jaw Set 1 Tailstock O-Ring Kit Set 1 0.18 SQMM 6 PAIR TWISTED PAIR CABLE (10 CORE)SHIELDED Mts. 1 OUTSIDE DIA OF THE CABLE : 6 MM No. 1 ASF4(L) 2A,24VDC No. 1 ACMCB, 3POLE ,415VAC, 32 A PTRA 10 3P B32 No. 1 MPCB 0.63-1 A WITH 1NO AND 1 NC GV2 -ME05 Nos. 2 MPCB 1.6-2.5 A WITH 1NO AND 1 NC GV2 -ME05 No. 1 CONTACTOR +24 VDC , COIL VG, WITH COIL SUPPRESSOR, No. 1 GA LPIKO6 10BD DCMCB , 1 POLE, 1A PTRA031DC01 No. 1 DCMCB , 1 POLE, 3A PTRA101PC03 Nos. 2 DCMCB , 1 POLE, 4A PTRA031DC04 No. 1 DCMCB , 1 POLE, 4A		Set	1
A) Automatic Door			
A) Automatic Door	Ontional Accessories		
Stabilizer 15 KVA	· ·	no	1
OPTIONAL: SET OF STANDARD OPERATION AND MAINTENANCE SPARES FOR ONE YEAR Spindle Belt No. 1 Encoder Belt No. 1 Flexible Coolant Hose No. 1 Soft Jaw Set 1 Tailstock O-Ring Kit Set 1 0.18 SQMM 6 PAIR TWISTED PAIR CABLE (10 CORE)SHIELDED Mts. 1 OUTSIDE DIA OF THE CABLE: 6 MM Mts. 1 ASF4(L) 2A,24VDC No. 1 ACMCB, 3POLE, 415VAC, 32 A PTRA 10 3P B32 No. 1 MPCB 0.63-1 A WITH 1NO AND 1 NC GV2 -ME05 Nos. 2 MPCB 1.6-2.5 A WITH 1NO AND 1 NC GV2 -ME05 No. 1 CONTACTOR +24 VDC , COIL VG, WITH COIL SUPPRESSOR, Nos. 3 6A LP1KO6 10BD DCMCB , 1 POLE, 1A PTRA031DC01 No. 1 DCMCB , 1 POLE, 3A PTRA101PC03 Nos. 2 DCMCB , 1 POLE, 4A PTRA031DC04 No. 1 DC MCB , 1 POLE, 2A PTRA031DC04 No. 1 DC MCB , 2 POLE, 4 A PTRA101PC04 No. 1 DC MCB , 3 POLE, 2 A PTRA103PC02 No.	,		
Spindle Belt			_
Encoder Belt			
Flexible Coolant Hose			
Soft Jaw			
Tailstock O-Ring Kit 0.18 SQMM 6 PAIR TWISTED PAIR CABLE (10 CORE)SHIELDED Mts. 1 OUTSIDE DIA OF THE CABLE : 6 MM ASF4(L) 2A,24VDC No. 1 ACMCB, 3POLE, 415VAC, 32 A PTRA 10 3P B32 MPCB 0.63-1 A WITH 1NO AND 1 NC GV2 -ME05 MPCB 1.6-2.5 A WITH 1NO AND 1 NC GV2 -ME05 No. 1 CONTACTOR +24 VDC , COIL VG, WITH COIL SUPPRESSOR, 6A LP1KO6 10BD DCMCB , 1 POLE, 1A PTRA031DC01 ACMCB , 1 POLE, 3A PTRA101PC03 DCMCB , 1 POLE, 4A PTRA031DC04 No. 1 DCMCB , 1 POLE, 2A PTRA031DC02 AC MCB , 2 POLE, 4 A PTRA031DC04 NO. 1 DC MCB , 1 POLE 6A PTRA031DC04 NO. 1 DC MCB , 1 POLE 6A PTRA031DC06 NO. 1 AC MCB , 3POLE 6A PTRA103PC02 AC MCB , 3POLE 6A PTRA103PC02 NO. 1 AC MCB , 3POLE, A PTRA103PC02 NO. 1 AC MCB ROWER SUPPLY INPUT: 85-285 V OUTPUT: 12VDC, 5 A NO. 1 DIN RAIL MOUNTING TYPE Relay board 8 relay 1 CHANGEOVER RB81-TT-G2R1DC24 NO. 1			
0.18 SQMM 6 PAIR TWISTED PAIR CABLE (10 CORE)SHIELDED Mts. 1 OUTSIDE DIA OF THE CABLE : 6 MM No. 1 ASF4(L) 2A,24VDC No. 1 ACMCB, 3POLE ,415VAC, 32 A PTRA 10 3P B32 No. 1 MPCB 0.63-1 A WITH 1NO AND 1 NC GV2 -ME05 Nos. 2 MPCB 1.6-2.5 A WITH 1NO AND 1 NC GV2 -ME05 No. 1 CONTACTOR +24 VDC , COIL VG, WITH COIL SUPPRESSOR, Nos. 3 6A LP1KO6 10BD No. 1 DCMCB , 1 POLE, 1A PTRA031DC01 No. 1 ACMCB , 1 POLE, 3A PTRA101PC03 Nos. 2 DCMCB , 1POLE, 4A PTRA031DC04 No. 1 DCMCB , 1POLE, 2A PTRA031DC02 Nos. 2 AC MCB , 2 POLE, 4 A PTRA101PC04 No. 1 DC MCB , 1 POLE 6A PTRA031DC06 No. 1 AC MCB , 3POLE, 2 A PTRA103PC02 No. 1 24V DC POWER SUPPLY INPUT : 85-285 V OUTPUT: 12VDC, 5 A DIN RAIL MOUNTING TYPE No. 1 Relay board 8 relay 1 CHANGEOVER RB81-TT-G2R1DC24 No. 1			
OUTSIDE DIA OF THE CABLE : 6 MM ASF4(L) 2A,24VDC	5		
ASF4(L) 2A,24VDC ACMCB, 3POLE ,415VAC, 32 A PTRA 10 3P B32 MPCB 0.63-1 A WITH 1NO AND 1 NC GV2 -ME05 MPCB 1.6-2.5 A WITH 1NO AND 1 NC GV2 -ME05 NO. 1 CONTACTOR +24 VDC , COIL VG, WITH COIL SUPPRESSOR, 6A LP1KO6 10BD DCMCB , 1 POLE, 1A PTRA031DC01 ACMCB , 1 POLE, 3A PTRA101PC03 DCMCB , 1POLE, 4A PTRA031DC04 NO. 1 DCMCB , 1POLE, 2A PTRA031DC02 AC MCB ,2 POLE, 4 A PTRA031DC02 AC MCB ,2 POLE, 4 A PTRA031DC04 NO. 1 DC MCB ,1 POLE 6A PTRA031DC04 NO. 1 DC MCB ,1 POLE 6A PTRA031DC05 AC MCB ,2 POLE, 4 A PTRA031DC06 NO. 1 DC MCB ,1 POLE 6A PTRA031DC06 NO. 1 AC MCB ,3 POLE, 2 A PTRA103 PC02 AC MCB ,3 POLE, 3 PTRA103 PC02 AC MCB ,3 POLE, 4 PTRA103 PC02 AC MCB ,3 POLE, 5 A PTRA103 PC02 AC MCB ,3 POLE, 6 A PTRA103 PC02 AC MCB ,3 POLE, 8 PTRA103 PC02 AC MCB ,3 POLE, 8 PTRA103 PC02 AC MCB ,3 POLE, 8 PTRA103 PC02 AC MCB ,3 POLE, 9 A PTRA103 PC02 NO. 1 DIN RAIL MOUNTING TYPE Relay board 8 relay 1 CHANGEOVER RB81-TT-G2R1DC24 NO. 1		14105.	1
ACMCB, 3POLE ,415VAC, 32 A PTRA 10 3P B32 No. 1 MPCB 0.63-1 A WITH 1NO AND 1 NC GV2 -ME05 Nos. 2 MPCB 1.6-2.5 A WITH 1NO AND 1 NC GV2 -ME05 No. 1 CONTACTOR +24 VDC , COIL VG, WITH COIL SUPPRESSOR, Nos. 3 6A LP1KO6 10BD Nos. 1 DCMCB , 1 POLE, 1A PTRA031DC01 No. 1 ACMCB , 1 POLE, 3A PTRA101PC03 Nos. 2 DCMCB , 1POLE, 4A PTRA031DC04 No. 1 DCMCB , 1POLE, 2A PTRA031DC02 Nos. 2 AC MCB ,2 POLE,4 A PTRA101PC04 No. 1 DC MCB ,1 POLE 6A PTRA031DC06 No. 1 AC MCB ,3 POLE, 2 A PTRA103PC02 No. 1 AC MCB ,3 POLE, 2 A PTRA103PC02 No. 1 AC MCB ,3 POLE,2 A PTRA103PC02 No. 1 AC MCB ,3 POLE,2 A PTRA103PC02 No. 1 24V DC POWER SUPPLY INPUT: 85-285 V OUTPUT: 12VDC, 5 A No. 1 DIN RAIL MOUNTING TYPE Relay board 8 relay 1 CHANGEOVER RB81-TT-G2R1DC24 No. 1		No	1
MPCB 0.63-1 A WITH 1NO AND 1 NC GV2 -ME05 Nos. 2 MPCB 1.6-2.5 A WITH 1NO AND 1 NC GV2 -ME05 No. 1 CONTACTOR +24 VDC , COIL VG, WITH COIL SUPPRESSOR, Nos. 3 6A LP1K06 10BD No. 1 DCMCB , 1 POLE, 1A PTRA031DC01 No. 1 ACMCB , 1 POLE, 3A PTRA101PC03 Nos. 2 DCMCB , 1POLE, 4A PTRA031DC04 No. 1 DCMCB , 1POLE, 2A PTRA031DC02 Nos. 2 AC MCB ,2 POLE, 4 A PTRA101PC04 No. 1 DC MCB , 1 POLE 6A PTRA031DC06 No. 1 AC MCB ,3POLE, 2 A PTRA103PC02 No. 1 24V DC POWER SUPPLY INPUT : 85-285 V OUTPUT: 12VDC, 5 A No. 1 DIN RAIL MOUNTING TYPE Relay board 8 relay 1 CHANGEOVER RB81-TT-G2R1DC24 No. 1			
MPCB 1.6-2.5 A WITH 1NO AND 1 NC GV2 -ME05 No. 1 CONTACTOR +24 VDC , COIL VG, WITH COIL SUPPRESSOR, Nos. 3 6A LP1KO6 10BD No. 1 DCMCB , 1 POLE, 1A PTRA031DC01 No. 1 ACMCB , 1 POLE, 3A PTRA101PC03 Nos. 2 DCMCB , 1POLE, 4A PTRA031DC04 No. 1 DCMCB , 1POLE, 2A PTRA031DC02 Nos. 2 AC MCB ,2 POLE,4 A PTRA101PC04 No. 1 DC MCB ,1 POLE 6A PTRA031DC06 No. 1 AC MCB ,3POLE,2 A PTRA103PC02 No. 1 24V DC POWER SUPPLY INPUT : 85-285 V OUTPUT: 12VDC, 5 A No. 1 DIN RAIL MOUNTING TYPE Relay board 8 relay 1 CHANGEOVER RB81-TT-G2R1DC24 No. 1			
CONTACTOR +24 VDC , COIL VG, WITH COIL SUPPRESSOR, 6A LP1KO6 10BD DCMCB , 1 POLE, 1A PTRA031DC01 No. 1 ACMCB , 1 POLE, 3A PTRA101PC03 Nos. 2 DCMCB , 1POLE, 4A PTRA031DC04 No. 1 DCMCB , 1POLE, 2A PTRA031DC02 Nos. 2 AC MCB , 2 POLE, 4 A PTRA101PC04 No. 1 DC MCB , 1 POLE 6A PTRA031DC06 No. 1 AC MCB , 3POLE, 2 A PTRA103PC02 No. 1 24V DC POWER SUPPLY INPUT : 85-285 V OUTPUT: 12VDC, 5 A No. 1 DIN RAIL MOUNTING TYPE Relay board 8 relay 1 CHANGEOVER RB81-TT-G2R1DC24 No. 1			
6A LP1KO6 10BD DCMCB , 1 POLE, 1A PTRA031DC01 No. 1 ACMCB , 1 POLE, 3A PTRA101PC03 Nos. 2 DCMCB , 1POLE, 4A PTRA031DC04 No. 1 DCMCB , 1POLE, 2A PTRA031DC02 Nos. 2 AC MCB , 2 POLE, 4 A PTRA101PC04 No. 1 DC MCB , 1 POLE 6A PTRA031DC06 No. 1 AC MCB , 3POLE, 2 A PTRA103PC02 No. 1 24V DC POWER SUPPLY INPUT : 85-285 V OUTPUT: 12VDC, 5 A DIN RAIL MOUNTING TYPE No. 1 Relay board 8 relay 1 CHANGEOVER RB81-TT-G2R1DC24 No. 1			
DCMCB , 1 POLE, 1A PTRA031DC01 No. 1 ACMCB , 1 POLE, 3A PTRA101PC03 Nos. 2 DCMCB , 1POLE, 4A PTRA031DC04 No. 1 DCMCB , 1POLE, 2A PTRA031DC02 Nos. 2 AC MCB , 2 POLE, 4 A PTRA101PC04 No. 1 DC MCB , 1 POLE 6A PTRA031DC06 No. 1 AC MCB ,3POLE, 2 A PTRA103PC02 No. 1 24V DC POWER SUPPLY INPUT : 85-285 V OUTPUT: 12VDC, 5 A No. 1 DIN RAIL MOUNTING TYPE No. 1 Relay board 8 relay 1 CHANGEOVER RB81-TT-G2R1DC24 No. 1		NOS.	3
ACMCB , 1 POLE, 3A PTRA101PC03 Nos. 2 DCMCB , 1POLE, 4A PTRA031DC04 No. 1 DCMCB , 1POLE, 2A PTRA031DC02 Nos. 2 AC MCB , 2 POLE, 4 A PTRA101PC04 No. 1 DC MCB , 1 POLE 6A PTRA031DC06 No. 1 AC MCB , 3POLE, 2 A PTRA103PC02 No. 1 24V DC POWER SUPPLY INPUT : 85-285 V OUTPUT: 12VDC, 5 A No. 1 DIN RAIL MOUNTING TYPE Relay board 8 relay 1 CHANGEOVER RB81-TT-G2R1DC24 No. 1		NI -	4
DCMCB , 1POLE, 4A PTRA031DC04 No. 1 DCMCB , 1POLE, 2A PTRA031DC02 Nos. 2 AC MCB ,2 POLE,4 A PTRA101PC04 No. 1 DC MCB , 1 POLE 6A PTRA031DC06 No. 1 AC MCB ,3POLE,2 A PTRA103PC02 No. 1 24V DC POWER SUPPLY INPUT : 85-285 V OUTPUT: 12VDC, 5 A No. 1 DIN RAIL MOUNTING TYPE No. 1 Relay board 8 relay 1 CHANGEOVER RB81-TT-G2R1DC24 No. 1			
DCMCB , 1POLE, 2A PTRA031DC02 Nos. 2 AC MCB ,2 POLE,4 A PTRA101PC04 No. 1 DC MCB , 1 POLE 6A PTRA031DC06 No. 1 AC MCB ,3POLE,2 A PTRA103PC02 No. 1 24V DC POWER SUPPLY INPUT : 85-285 V OUTPUT: 12VDC, 5 A No. 1 DIN RAIL MOUNTING TYPE No. 1 Relay board 8 relay 1 CHANGEOVER RB81-TT-G2R1DC24 No. 1			
AC MCB ,2 POLE,4 A PTRA101PC04 No. 1 DC MCB ,1 POLE 6A PTRA031DC06 No. 1 AC MCB ,3POLE,2 A PTRA103PC02 No. 1 24V DC POWER SUPPLY INPUT : 85-285 V OUTPUT: 12VDC, 5 A No. 1 DIN RAIL MOUNTING TYPE Relay board 8 relay 1 CHANGEOVER RB81-TT-G2R1DC24 No. 1			
DC MCB , 1 POLE 6A PTRA031DC06 No. 1 AC MCB ,3POLE,2 A PTRA103PC02 No. 1 24V DC POWER SUPPLY INPUT: 85-285 V OUTPUT: 12VDC, 5 A No. 1 DIN RAIL MOUNTING TYPE Relay board 8 relay 1 CHANGEOVER RB81-TT-G2R1DC24 No. 1			
AC MCB ,3POLE,2 A PTRA103PC02 No. 1 24V DC POWER SUPPLY INPUT: 85-285 V OUTPUT: 12VDC, 5 A No. 1 DIN RAIL MOUNTING TYPE Relay board 8 relay 1 CHANGEOVER RB81-TT-G2R1DC24 No. 1			
24V DC POWER SUPPLY INPUT: 85-285 V OUTPUT: 12VDC, 5 ANo.1DIN RAIL MOUNTING TYPENo.1Relay board 8 relay 1 CHANGEOVER RB81-TT-G2R1DC24No.1			
DIN RAIL MOUNTING TYPE Relay board 8 relay 1 CHANGEOVER RB81-TT-G2R1DC24 No. 1			
Relay board 8 relay 1 CHANGEOVER RB81-TT-G2R1DC24 No. 1		No.	1
INTERFACE MODULE 50PIN FR-50 No. 1		No.	1
	INTERFACE MODULE 50PIN FR-50	No.	1

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50 CORE RIBBON CABLE FOR THE INTERFACE MODULE	Mts.	2
50 PIN FRC FEMALE CONNECTOR	No.	1
Mushroom head pushbutton latch type for Emergency with 1NO+1NC	No.	1
Work light with inbuilt choke smc fluorescent 11w/24vdc LAMPS:1x11 W PL-L	No.	1
ILLUMINATED PUSH BUTTON 18X18 FLUSH TYPE, SQUARE 24VDC	No.	1
OPERATED GREEN with 1 NO D16LMS1abHG		
ILLUMINATED PUSH BUTTON 18X18 FLUSH TYPE,	No.	1

REQUIRED EQUIPMENT AT SITE AND UTILITIES TO BE PROVIDED BY THE BUYER DURING COMMISSIONING, DEMONSTRATION & TRAINING

For 54011 CNC MACHINE:

Servo Stabilizer 16 KVA,3 Phase - 1 no.

Training Skills -

- · Convenient operation and Learn about advanced programming
- Identification of the Components of the CNC System
- User friendly and graphically assisted different canned cycles
- · Discussion on Programming Elements
- Discussion on Industry Standard ISO G and M Codes
- Discussion on Various Tools to be used in a CNC Turning Operation
- · Study on Process Planning
- Discussion on Program Zero and Offset definition
- Preparation of CNC Programs using CNC Turning Machines
- · Discussion on Various Machining Cycles used in CNC Turning Programming
- · General Maintenance

Note: As part of continuous improvement, Tesca reserves the right to alter machine design and specification without prior notice.

Orderi	Ordering Details		
SN	Order Code	Details	
1.	54011	Included in the package:	
		Control Option: Siemens 828D or Fanuc 0i TF or Equivalent.	
		Included in the package:	
		BTP80 8-station tool turret	
		200 mm dia Hydraulic Chuck with Hydraulic Power Pack	
		Hydraulic Tailstock	
		Foot Switches	
		Panel Cooler for the Controller	
		Set of Operation and Maintenance Manuals	
		Mobile Chip Tray	
		Coolant Tank and Motor	
2.	54011A	Export Packing	
3.	54011B	Tooling Package	
4.	54011C	OPTION Automatic Door	

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