

JESSEY®

ENC LATHES

JAGUAR





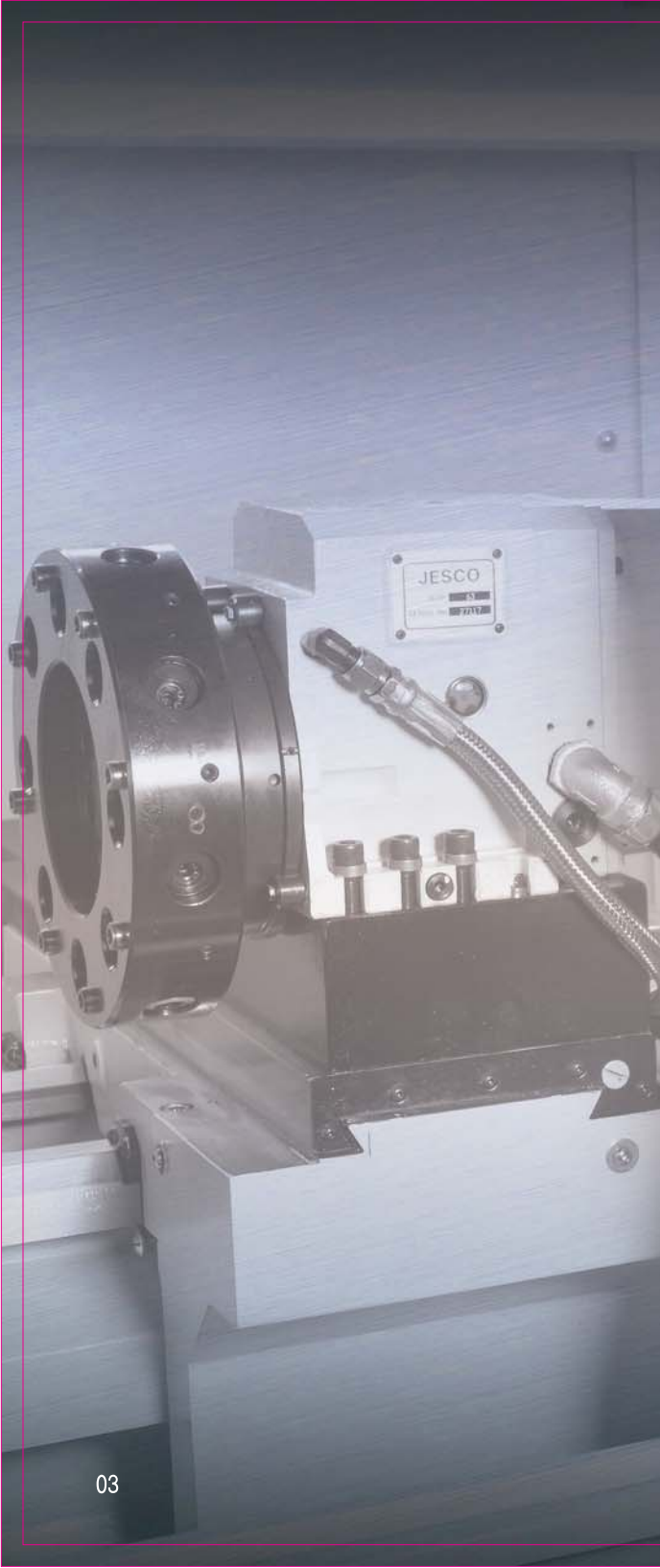
ENC LATHES

The extensive list of machine features includes:

- Automatic headstock speed change with three-range
- Superior headstock positive flow lubrication system with oil-cooler
- The rigid construction bed is with hardened and precision grinding
- Full enclosed and interlocked guarding
- Independent, sliding operator's console allow moving quickly/effortlessly aside







Tooling System

Quick Change Toolpost

	Type	Tool Section	Boring Bar Dia	MT
ENC-1550 / 1850	JS2T	25 mm	32 mm	2
ENC-20" / 22"	JS3	32 mm	40 mm	3
ENC-26" / 30"	JS3	32 mm	40 mm	3
ENC-32" / 40"	JS4	32 mm	50 mm	4
ENC-52" / 60"	JS4	32 mm	50 mm	4

Elec. 4-Way Toolpost

	Type	Tool Section	Boring Bar Dia
ENC-1550 / 1850	SQTP-166	20 mm	25 mm
ENC-20" / 22"	SQTP-180	25 mm	40 mm
ENC-26" / 30"	SQTP-180	25 mm	40 mm

Elec. 8-Station Turret (mounting at front of cross slide)

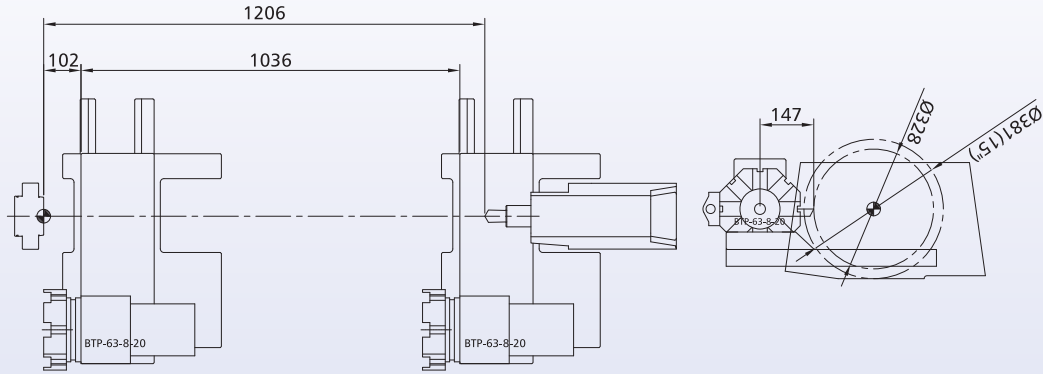
	Type	No. of Station	Tool Section	Boring Bar Dia	VDI-Tool Disc
ENC-1550 / 1850	BTP-63	8	20 mm	32 mm	30 mm
ENC-20" / 22"	BTP-80	8	25 mm	40 mm	40 mm
ENC-26" / 30"	BTP-100	8	32 mm	50 mm	40 mm
ENC-32" / 40"	BTP-125	8	32 mm	50 mm	50 mm
ENC-50" / 62"	BTP-160	8	40 mm	60 mm	60 mm

Driven Tooling

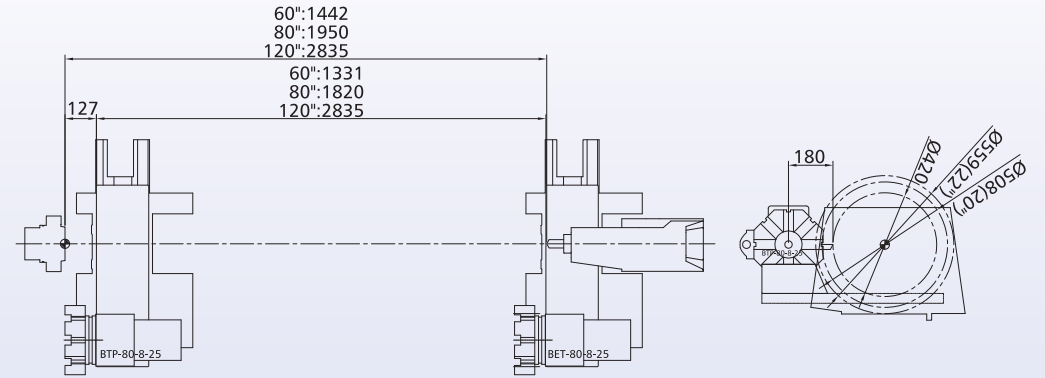
PRAGATI Driven Tool Turret

Model	ENC-22"	ENC-26" / 30" / 32" / 40"
TYPE	DTT-80H	DTT-100H
No of Station	12	12
Toolholder Type	VDI30	VDI40
Cutting Capacity		
Drilling (mm x mm/rev)	14 / 0.15	20 / 0.2
Tapping (mm x mm)	M10 x 1.5 / M24 x 1	M16 / 2.0 / M24 x 1.5
Slot Milling (mm x mm x mm/min)	20 x 10 x 40	20 x 14 x 40

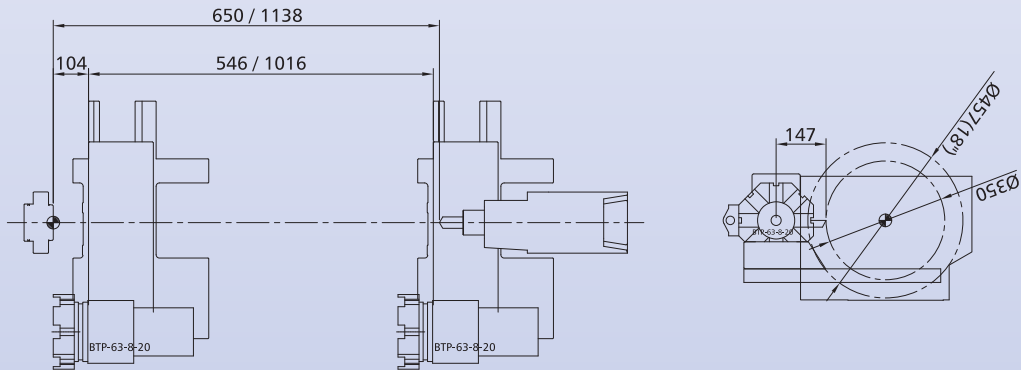
ENC-1550



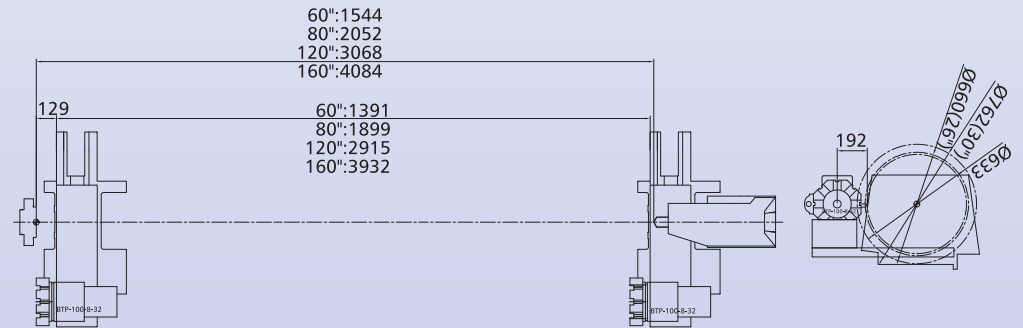
ENC-20" / 22" Series



ENC-1825 / 1850



ENC-26" / 30" Series



SPECIFICATIONS

MODEL	1550	1825	1850	2040/2060 2080/20120	2240/2260 2280/22120	2660/2680 26120/26160	3060/3080 30120/30160				
CAPACITY											
Swing over bed	390(15.25)	460(18)		510(20)	560(22)	660(26) 760(30)					
Swing over cross slide	220(8.6)	285(11.2)		340(13.5)	390(15.5)	458(18) 560(22)					
Swing in gap	610(24)	635(25)		760(30)	810(32)	960(37.8) 1060(41.7)					
Distance between center	1250(50)	650(25)	1250(50)	1000(40)/1500(60)/2000(80)/3000(120)			1500(60)/2000(80)/3000(120)/4000(160)				
Gap width from faceplate	150(6)	165(6.5)		230(9)			300(11.8)				
HEADSTOCK											
Spindle nose	D1-6(A2-6)	D1-6(A2-6)		D1-8(A2-8)		D1-11(A2-11) A2-11					
Spindle bore	54(2.125)	54(2.125)		80(3.125)		105	155-OPT.	105	155-OPT.		
Spindle speeds	Low range	13-340		13-392		26-266		26-224	30-172	26-224	30-172
	Medium range	-		391-1135		267-766		225-670	173-517	225-670	173-517
	High range	341-3500		1136-3500		767-2400		671-2000	518-1400	671-2000	518-1400
Spindle nose bush	MT6 x MT4	MT6 x MT4		MT7 x MT5		MT8 x MT6	-	MT8 x MT6	-		
TAILSTOCK											
Quill travel	155(6.125)	140(5.5)		200(8)			300(12)				
Quill diameter	58.5(2.3)	73(2.87)		75(3)			105(4.125)				
Quill taper	MT4	MT5		MT5			MT6				
BED											
Bed width	270(11)	318(12.5)		345(13)			480(18.9)				
Max. longitudinal travel	920(36)	300(12)	900(35)	680(26.8)/1190(46.8)/1700(67)/2710(106.7)			1190(46.8)/1700(67)/2710(106.7)/3730(146.8)				
Max. turning length	870(34)	260(0.2)	860(33.8)	630(24.8)/1140(44.8)/1650(65)/2660(104.7)			1140(44.8)/1650(65)/2660(104.7)/3680(144.8)				
BALLSCREW											
X-Axis Ballscrew Dia.	20 X P5	20 X P5		25 X P5			32 X P5				
Z-Axis Ballscrew Dia.	32 X P5	32 X P5		40 X P10			50 X P10				
GENERAL INFORMATION											
Overall length	3330(131)	2730(107)	3330(131)	2970(117)/3670(145)/4170(164)/5170(204)			4200(165)/4700(185)/5700(224)/6700(264)				
Overall width	2250(88)	2250(88)		2100(83)			2250(88)				
Overall height	2150(85)	2150(85)		2230(88)			2260(88)				
Net weight (Approx. kgs)	1800	2000	2200	2600/2800/3000/3800	2700/2900/3200/4000	4300/4800/6000/7200		4500/5000/6200/7400			
Gross weight (Approx. kgs)	2300	2400	2700	3200/3400/3600/4600	3500/3700/4000/4800	4900/5500/6800/8200		5100/5700/7000/8400			

• The above specifications subject to change without prior notice.

Standard Equipments:

- FAGOR 8055i/A-TC control system
- Automatic lubrication pump for slideways and ballscrews
- Automatic spindle speed gear change
- Cutting fluid coolant system
- Full enclosed end guard
- Headstock/Gearbox oil cooler
- Working light
- RS-232 port
- Leveling blocks
- Centers and center sleeve
- Service tools & toolbox

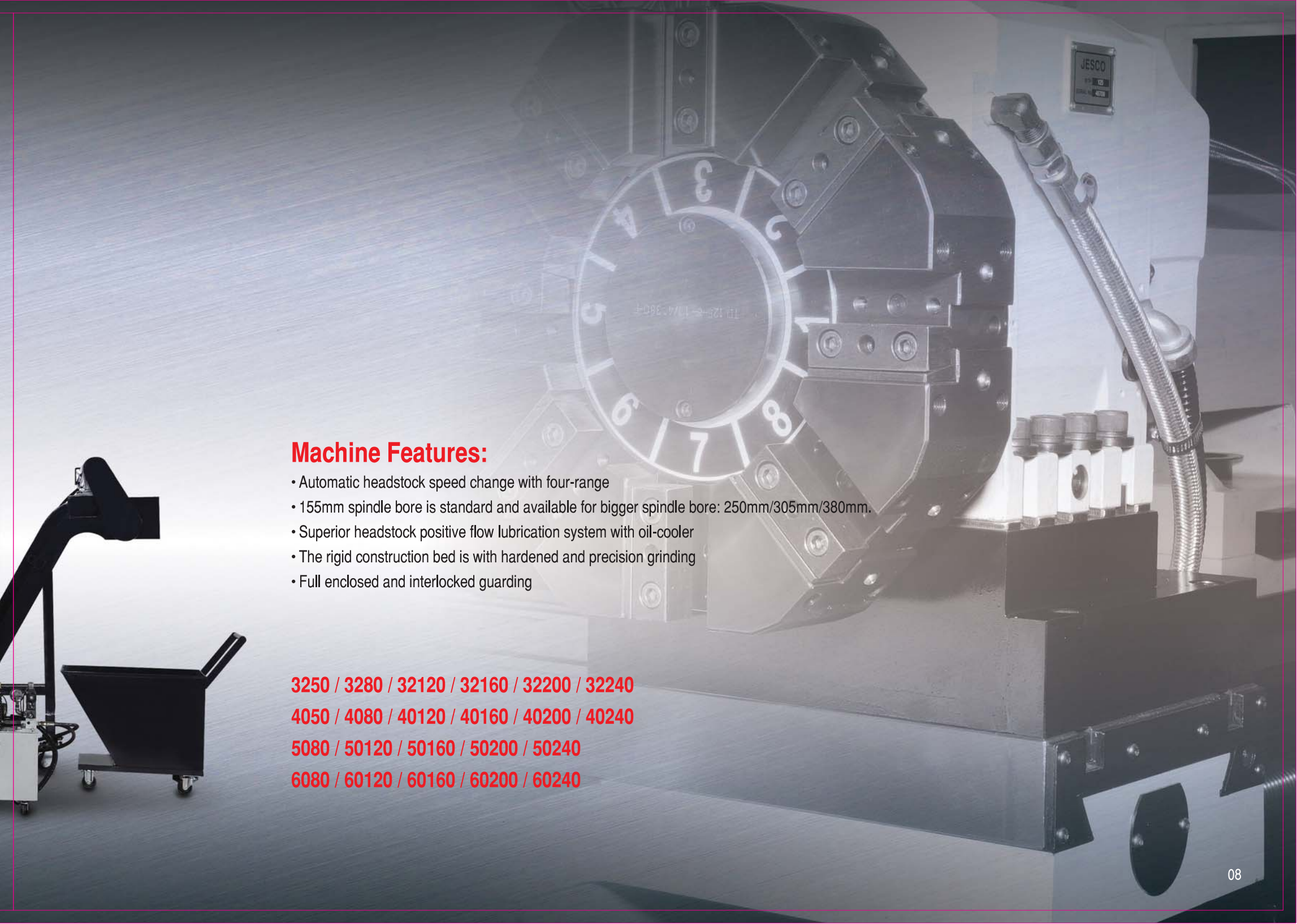
Optional Equipments:

- FANUC Oi-TD/TF control system
- SIEMENS 828D control system
- Manual type 3-jaw scroll chuck
- Manual type 4-jaw independent chuck
- Hydraulic hollow chuck
- DIXON quick change toolpost
- Elec. 4-way toolpost
- Elec. 8-station turret (Front Mounting)
- Hydraulic tailstock
- Steady rest
- Follow rest
- Chain type chip conveyor with cart
- C-Axis with Live Turret
- Special functions by consult



More selection on **JAGUAR** series
with Bigger Swing & Spindle Bore





Machine Features:

- Automatic headstock speed change with four-range
- 155mm spindle bore is standard and available for bigger spindle bore: 250mm/305mm/380mm.
- Superior headstock positive flow lubrication system with oil-cooler
- The rigid construction bed is with hardened and precision grinding
- Full enclosed and interlocked guarding

3250 / 3280 / 32120 / 32160 / 32200 / 32240

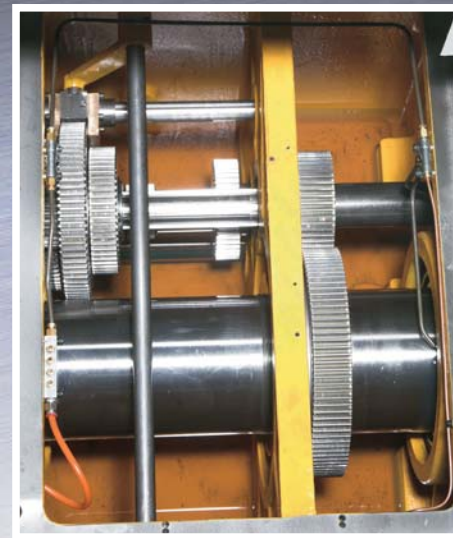
4050 / 4080 / 40120 / 40160 / 40200 / 40240

5080 / 50120 / 50160 / 50200 / 50240

6080 / 60120 / 60160 / 60200 / 60240



Spindle Bore offered 155mm / 250mm /
305mm / 380mm for selection



Headstock Assembly & Lubrication System



Adaptor for Rear Chuck Mounting

Standard Equipments:

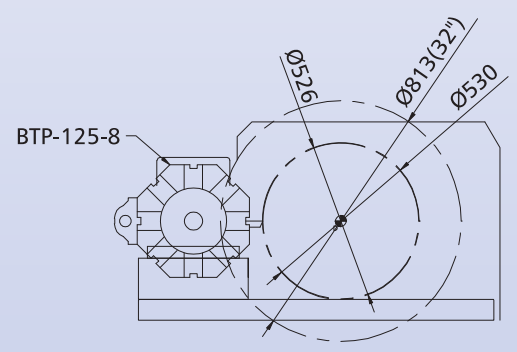
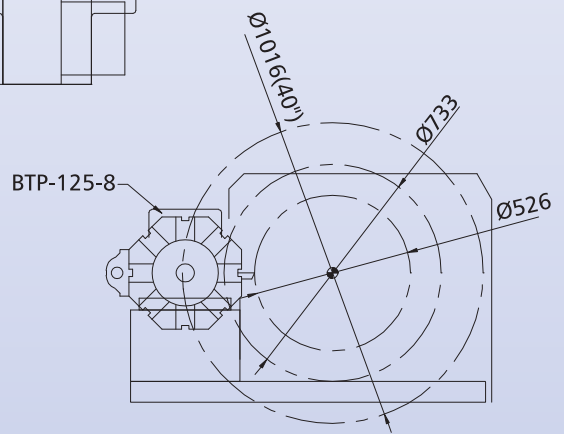
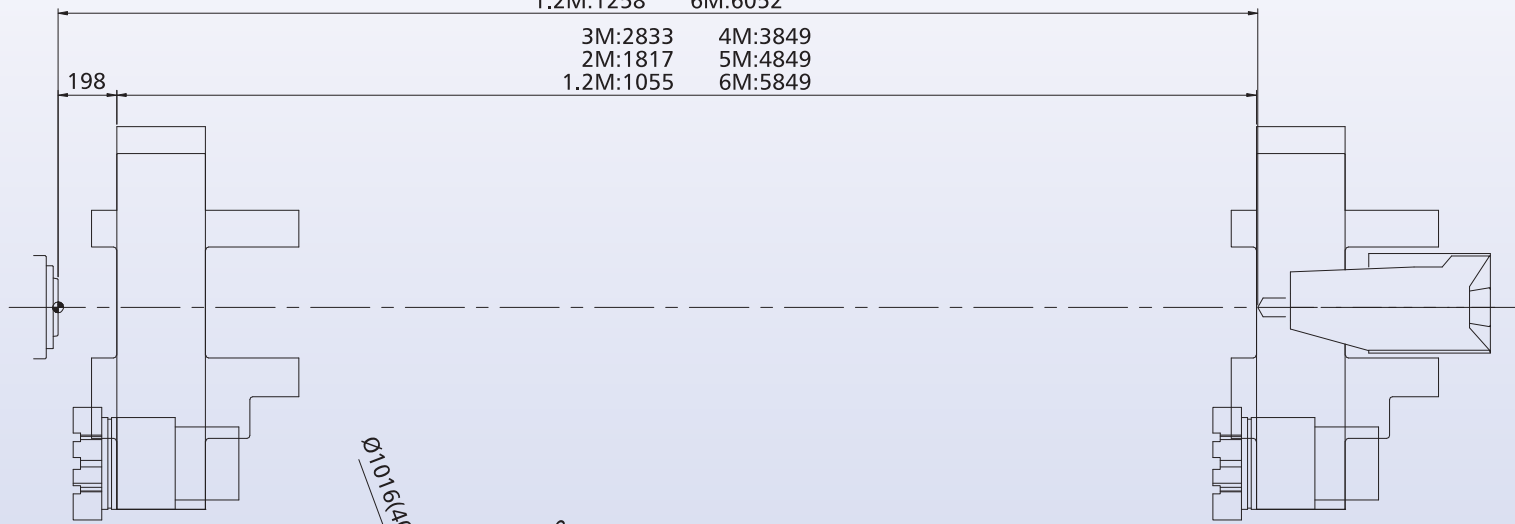
- FAGOR 8055i/A-TC control system
- Automatic lubrication pump for slideways and ballscrews
- Automatic spindle speed gear change
- Cutting fluid coolant system
- Full enclosed end guard
- Headstock/Gearbox oil cooler
- Chain type chip conveyor with cart
- Working light
- RS-232 port
- Leveling blocks
- Service tools & toolbox

Optional Equipments:

- FANUC 0i-TD/TF control system
- SIEMENS 828D control system
- Manual type chuck
- Hydraulic hollow chuck
- DIXON quick change toolpost
- Elec. 8-station turret (Front Mounting)
- Hydraulic tailstock
- Steady rest
- Follow rest
- Boring Bar Holder
- C-Axis with Live Turret
- Special functions by consult

3M:3036	4M:4052
2M:2020	5M:5052
1.2M:1258	6M:6052

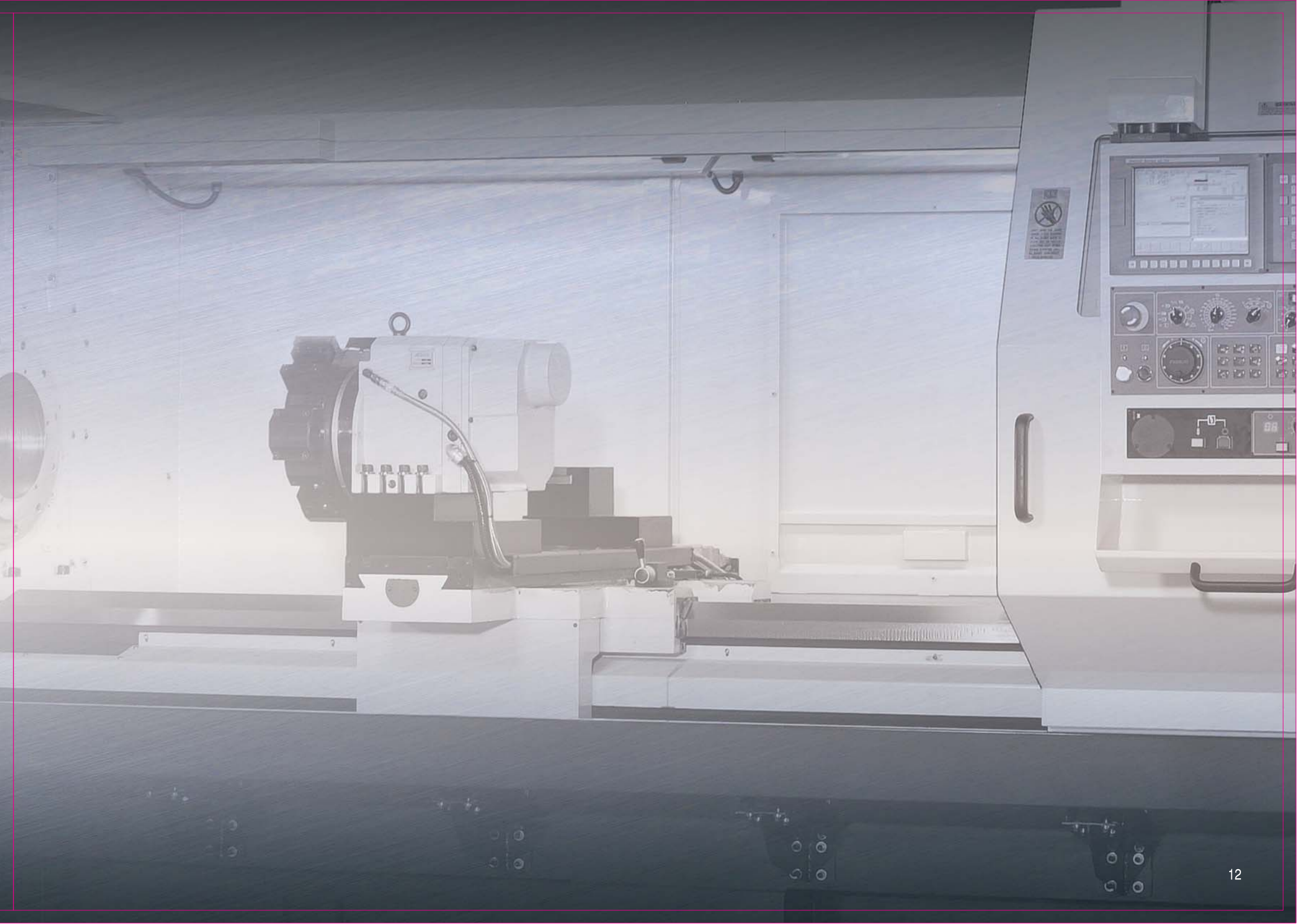
3M:2833	4M:3849
2M:1817	5M:4849
1.2M:1055	6M:5849



SPECIFICATIONS

MODEL	3250 / 3280 / 32120 32160 / 32200 / 32240	4050 / 4080 / 40120 40160 / 40200 / 40240	5080 / 50120 50160 / 50200 / 50240	6080 / 60120 60160 / 60200 / 60240					
CAPACITY									
Swing over bed	800 mm	1000 mm	1250 mm	1500 mm					
Swing over cross slide	510 mm	710 mm	890 mm	1140 mm					
Swing in gap	1100 mm	1300 mm	1750 mm	2000 mm					
Center height	400 mm	500 mm	650 mm	800 mm					
Distance between center	1200mm (50") / 2000mm (80") / 3000mm (120") 4000mm (160") / 5000mm (200") / 6000mm (240")		2000mm (80") / 3000mm (120") 4000mm (160") / 5000mm (200") / 6000mm (240")						
HEADSTOCK									
Spindle bore	155mm	250mm	305mm	380mm	155mm	250mm	305mm	380mm	
Spindle nose	A2-11	A2-15	A2-20	A2-20	A2-11	A2-15	A2-20	A2-20	
Spindle range	4	4	4	4	4	4	4	4	
Spindle speeds	1-range	9-34	4-14	4-14	4-10	9-34	4-14	4-14	4-10
	2-range	35-111	15-47	15-47	11-32	35-111	15-47	15-47	11-32
	3-range	112-414	48-177	48-177	33-117	112-414	48-177	48-177	33-117
	4-range	415-1400	178-600	178-600	118-400	415-1400	178-600	178-600	118-400
BALLSCREW									
Z axis ball screw	Ø 63 x P10			Ø 63 x P10					
X axis ball screw	Ø 40 x P5			Ø 40 x P5					
CARRIAGE									
Cross slide width	300 mm			450 mm					
Cross slide travel	550 mm			750 mm					
BED									
Bed width	550 mm			820 mm					
Z axis travel	1020/1820/2820/3820/4820/5820 mm			1820/2820/3820/4820/5820 mm					
TAILSTOCK									
Quill travel	275 mm			300 mm					
Quill diameter	125 mm			180 mm					
Quill taper	MT#6			MT#7					

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CONTROL SYSTEM

It offers three Control System for selection!



FAGOR 8055i/A-TC Control is with 11" Color LCD and offer with Icon Key base conversational programming and ISO G-Code programming.



FANUC 0i-TD/TF Control with 10.4" Color LCD and software: Manual Guide i allow the user to generate part-programs efficiently.



SIEMENS 828D Control with 10.4" Color Display and software: Shopturn Manual - machine plus





ELECTRIC SPECIFICATION

ENC-1550/1850	FAGOR 8055i-A	FANUC 0i TD/TF	Siemens 828D
X Axis Servo Motor	FKM22 (3.2Nm)	β is2 (2Nm)	1FK7042 (3Nm)
Z Axis Servo Motor	FKM44 (11.6Nm)	β is8 (7Nm)	1FK7062 (8.5Nm)
Main spindle motor	FS5-A075 (7.5/11Kw)	β i8 (7.5/11Kw)	1PH8105 (7Kw)
ENC-20" / 22" Series			
X Axis Servo Motor	FKM22 (3.2Nm)	β is2 (2Nm)	1FK7042 (3Nm)
Z Axis Servo Motor	FKM44 (11.6Nm)	β is8 (7Nm)	1FK7062 (8.5Nm)
Main spindle motor	FS5-A110 (11/15.5Kw)	β i12 (11-15Kw)	1PH8107 (9Kw)
ENC-26" / 30" Series			
X Axis Servo Motor	FKM44 (11.6Nm)	β is12 (11Nm)	1FK7062 (11Nm)
Z Axis Servo Motor	FKM64 (16.5Nm)	β is22 (20Nm)	1FK7084 (20Nm)
Main spindle motor	FS5-A150 (15/24.5Kw)	β iIP30(15-18.5Kw)	1PH8133 (15Kw)
ENC-32" / 40" Series			
X Axis Servo Motor	FKM44 (11.6Nm)	β is12 (11Nm)	1FK7101 (27Nm)
Z Axis Servo Motor	FKM64 (16.5Nm)	β is22 (20Nm)	1FK7101 (27Nm)
Main spindle motor	FM7-A220 (22/33Kw)	α 22i (22/26Kw)	1PH8137 (22Kw)
ENC-50" / 60" Series			
X Axis Servo Motor	FKM66 (23.5Nm)	β is30 (27Nm)	1FK7101 (27Nm)
Z Axis Servo Motor	FKM94 (68Nm)	β is40 (36Nm)	1FK7103 (36Nm)
Main spindle motor	FM7-A300 (30/45Kw)	α 30i (30/37Kw)	1PH8137(30.6Kw))
ENC-22" Series with C-Axis Live Turret			
X Axis Servo Motor	FKM22 (3.2Nm)	β is2 (2Nm)	1FK7042 (3Nm)
Z Axis Servo Motor	FKM44 (11.6Nm)	β is8 (7Nm)	1FK7062 (8.5Nm)
Tool Axis Servo Motor	FKM64 (16.5Nm)	α 2i	1FT7084
Main Spindle Motor	FM7-A110 (11/15.5Kw)	β i12 (11-15Kw)	1PH8107(9Kw))
ENC-26" / 30" Series with C-Axis Live Turret			
X Axis Servo Motor	FKM44 (11.6Nm)	β is12 (11Nm)	1FK7062 (8.5Nm)
Z Axis Servo Motor	FKM64 (20Nm)	β is22 (20Nm)	1FK7084 (20Nm)
Tool Axis Servo Motor	FM7-A037 (3.7/5.5Kw)	α 3i	1FT7086
Main Spindle Motor	FM7-A150 (15/22Kw)	α 22i (22/26Kw)	1PH8133 (15Kw)
ENC-32" / 40" Series with C-Axis Live Turret			
X Axis Servo Motor	FKM44 (11.6Nm)	β is12 (11Nm)	1FK7101 (27Nm)
Z Axis Servo Motor	FKM64 (20Nm)	β is22 (20Nm)	1FK7101 (27Nm)
Tool Axis Servo Motor	FM7-A037	α 3i	1FT7086
Main Spindle Motor	FM7-A220 (22-33Kw)	α 22i (22/26Kw)	1PH8137 (22Kw)

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