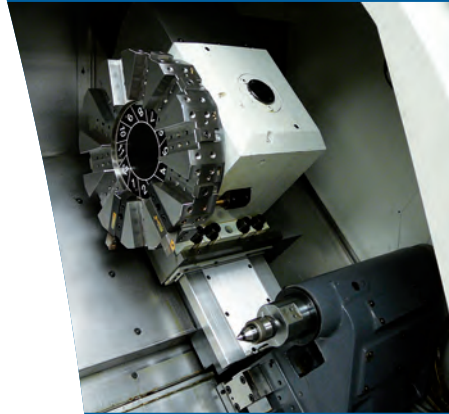


SOMAB

ALPHAMAB RANGE

ALPHAMAB RANGE **300 - 320 - 340 - 370** From 750mm to 4300mm distance between centers

PRODUCTION TURNING 2 & 3 axes



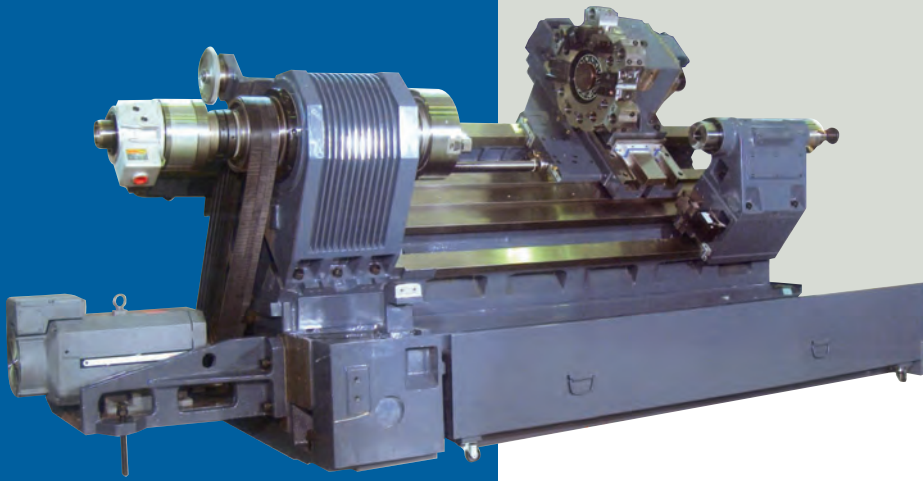
- Cast iron 45° slant bed fitted with 4 guideways
- Sliding control desk
- Prismatic guideways
- Hydraulic chuck and tailstock
- Automatic move and blocking of the tailstock
- Swarf conveyor
- 12-position turret
Plate for VDI
or tool holder blocks

With Somab, improve your competitiveness

Available CNCs
FANUC
NUM
SIEMENS
FAGOR

Cast-iron 45° slant bed
One-piece stabilised bed
Lathe fitted with

Numerically-controlled
Ground ballscrews
pre-loaded double
Prismatic guideways

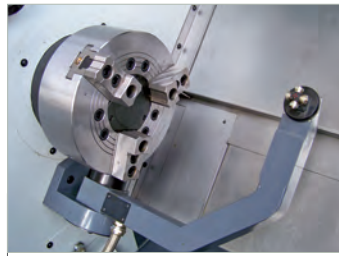


ALPHAMAB 300 - 320

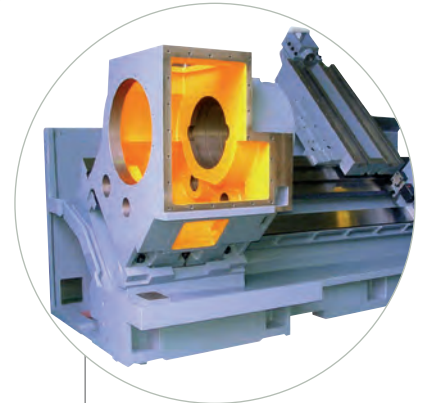
ALPHAMAB 300

Basic machine

- 12 station automatic turret with a plate designed for 25x25 cross-section tools or mixed VDI 40 / cross-section tools
- or
- 12 station turret for VDI 40 rotating tools
- 6" spindle Ø 62 mm bore
- Ø 210 mm hydraulic chuck Ø 52 mm bore
- hydraulic tailstock
- swarf conveyor
- safety lamp



Tool sensing



Large bore spindle

ALPHAMAB 320

Basic machine

- 12 station automatic turret with a plate designed for 25x25 cross-section tools or mixed VDI 40 / cross-section tools
- or
- 12 station turret for VDI 40 rotating tools
- 8" spindle Ø 87 mm bore
- Ø 305 mm hydraulic chuck Ø 77 mm bore
- hydraulic tailstock with automatic move through attachment to the saddle
- swarf conveyor
- air to air exchanger in the electrical cabinet
- safety lamp

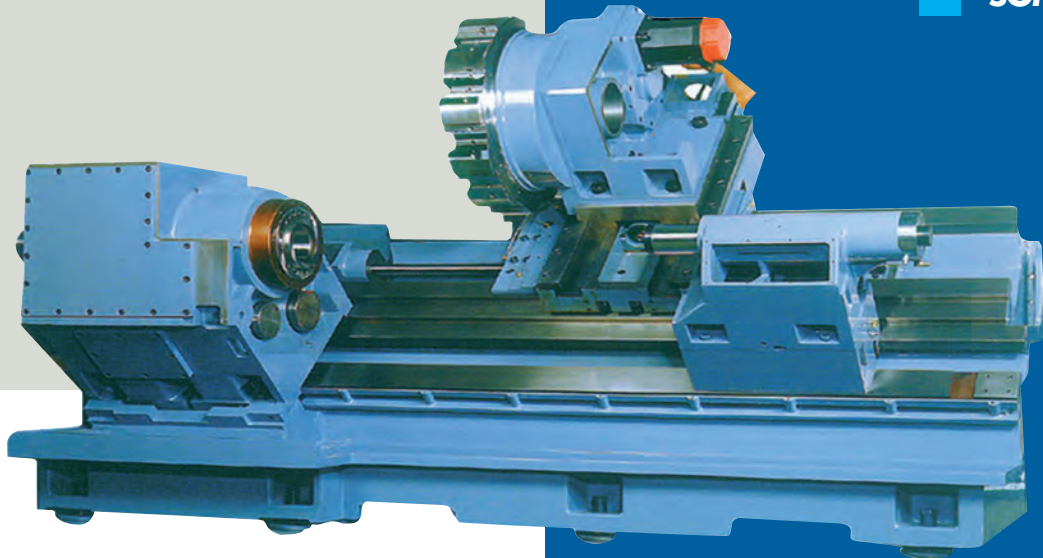
PRODUCTION LATHES	ALPHAMAB 300 2 axes	ALPHAMAB 320 2 axes		
Distance between centres (mm)	755	1200	1700	2200
Structure				
45° slant bed	Stabilized cast iron	Stabilized cast iron		
Rigid guideways	4 prismatic guideways	4 prismatic guideways		
Capacities				
Swing over bed	620 mm	680 mm		
Swing over slide	410 mm	470 mm		
Distance between spindle nose/tailstock	755 mm (without centre)	1200 mm	1700 mm	2200 mm
Saddle				
Longitudinal stroke (Z)	520 mm	1090 mm	1590 mm	2090 mm
Transverse stroke (X)	225 mm	280 mm		
Feedrate (X - Z)	X : 20 m/mn - Z : 24 m/mn	X : 20 m/mn - Z : 24 m/mn		
Spindle				
Nose and bore	A2 6" - Ø 62 mm bore	A2 8" - Ø 87 mm bore		
Maximum speed	5000 tr/mn	3200 tr/mn		
Power FANUC	18,5 / 22 kW	30 / 37 kW		
NUM	15 / 29 kW	26 / 36 kW		
SIEMENS/FAGOR	20 / 30 kW	28 / 42 kW		
Hydraulic chuck	Ø 210 mm - Ø 52 mm bore	Ø 305 mm - Ø 77 mm bore		
Tailstock				
Quill diameter	Ø 85 mm	Ø 110 mm		
Quill stroke	80 mm	100 mm		
Morse Taper	MT4	MT5		
Automatic turret				
Attachments	Disc-type turret for 25 x 25 square tool-holder blocks or VDI Ø 40 mm plate	Disc-type turret for 25 x 25 square holder blocks or VDI Ø 40 mm plate		
Positions	12	12		
CNC				
Trade marks	FANUC / NUM / SIEMENS	FANUC / NUM / SIEMENS		
Flat screen	LCD colour screen	LCD colour screen		
Miscellaneous				
Swarf conveyor	Parallel to the spindle axis	Parallel to the spindle axis		
Dimensions				
Length	3376 mm	4996 mm	5496 mm	5996 mm
Height x width	1850 mm x 2150 mm	1938 mm x 2150 mm		
Mass	5200 kg	7700 kg	8300 kg	8900 kg
PRODUCTION LATHES	ALPHAMAB 300 3 axes	ALPHAMAB 320 3 axes		
Rotating tool turret	12 positions VDI 40 mm	12 positions VDI 40 mm		
Power	10 kW	10 kW		
C Axis	Continuous	Continuous		

Other equipments

Bar feeder - Parts catcher - Ref

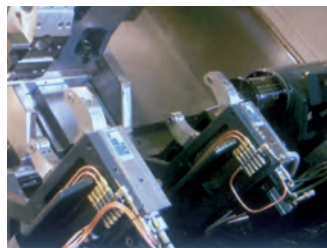
ant bed
stabilised cast-iron bed
4 guideways

controlled motor
drive with
planetary nut
drives



Boring bar holder

Self-centering steady rest



ALPHAMAB 340

Basic machine

- 12 station automatic turret with a plate designed for 32x32 cross-section tools
- or
- 12 station turret for VDI 60 rotating tools
- 11" spindle Ø 131 mm bore
- Ø 400 to 500 mm hydraulic chuck
- or
- 15" spindle Ø 205 mm bore
- Ø 500 to 630 mm hydraulic chuck
- 2 speed gearbox with cooling system
- hydraulic tailstock with automatic move through attachment to the saddle
- swarf conveyor
- air to air exchanger in the electrical cabinet
- safety lamp

ALPHAMAB 370

Basic machine

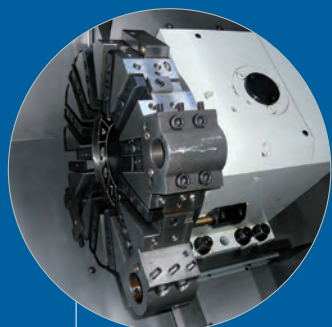
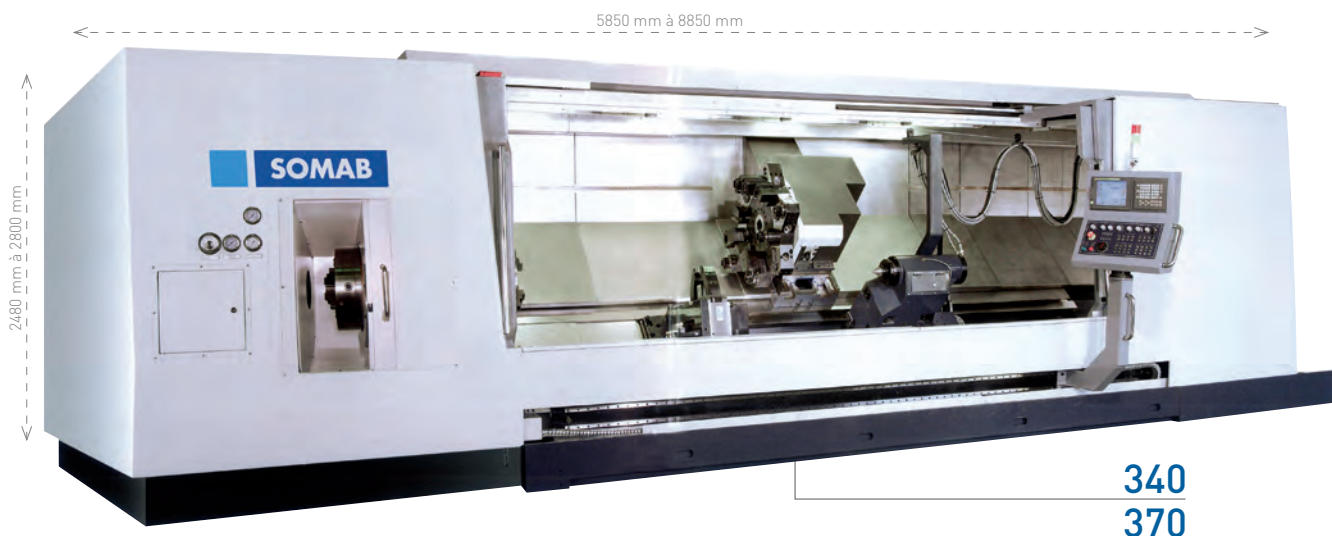
- 12 station automatic turret with a plate designed for 32x32 cross-section tools
- or
- 12 station turret for VDI 60 rotating tools
- 20" spindle Ø 240 mm bore
- Ø 630 to 800 mm hydraulic chuck
- 2 speed gearbox with cooling system
- hydraulic tailstock with automatic move through attachment to the saddle
- swarf conveyor
- air to air exchanger in the electrical cabinet
- safety lamp

	ALPHAMAB 340 2 axes				ALPHAMAB 370 2 axes			
	1100	2300	3300	4300	1100	2300	3300	4300
	Stabilized cast iron 4 prismatic guideways				Stabilized cast iron 4 prismatic guideways			
	1000 mm 740 mm				1150 mm 990 mm			
0 mm	1100 mm	2300 mm	3300 mm	4300 mm	1100 mm	2300 mm	3300 mm	4300 mm
0 mm	1000 mm	2000 mm	3000 mm	4000 mm	1000 mm	2000 mm	3000 mm	4000 mm
	X : 15 m/mn - Z : 15 m/mn				X : 15 m/mn - Z : 15 m/mn			
	A2 11" 131bore (15" bore 235 mm) 2500 tr/mn (1100 tr/mn) with gearbox				A2 20" Ø 265 mm bore 850 tr/mn with gearbox			
	30 / 37 kW 26 / 36 kW 28 / 42 kW				30 / 37 kW 26 / 36 kW 28 / 42 kW			
e	Ø 400 mm - 118 mm bore (Ø 500 mm)				Ø 630 mm - Ø 230 mm bore			
	Ø 150 mm 150 mm MT6				Ø 180 mm 150 mm MT6			
are too	Disc-type turret for 32 x 32 square tool-holder blocks 12				Disc-type turret for 32 x 32 square tool-holder blocks 12			
S	FANUC / NUM / SIEMENS LCD colour screen				FANUC / NUM / SIEMENS LCD colour screen			
s	Parallel to the spindle axis				Parallel to the spindle axis			
6 mm	5850 mm	6850 mm	7850 mm	8850 mm	5850 mm	6850 mm	7850 mm	8850 mm
	13000 kg				13200 kg			
	13000 kg	16000 kg	19000 kg	22000 kg	13200 kg	16440 kg	19400 kg	22400 kg
	largeur 2800 mm				2480 mm x 2820 mm			
es	ALPHAMAB 340 3 axes				ALPHAMAB 370 3 axes			
	12 positions VDI 60 mm				12 positions VDI 60 mm			
	15 kW				15 kW			
	Continuous				Continuous			

tractable tool presetter - Fixed steady rests - Self centering steady rests

features mentioned in this document.

ALPHAMAB RANGE



Static block tool plate



Static VDI 40 plate



Static VDI 40
with block tool plate



SOMAB

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