



COMPREHENSIVE MACHINERY SOLUTIONS

SPECIALIZING IN MACHINE TOOL SALES AND SERVICE



COMPREHENSIVE MACHINERY SOLUTIONS

Comprehensive Machinery Solutions (CMS), specializes in the sales, service and support of large-scale, high-precision machine tools. With a unique hands-on approach, our team is dedicated to understanding each customer's individual requirements and delivering targeted solutions.

In collaboration with our industry-qualified manufacturing partners, we offer our clients an unparalleled partnership. As the trusted North American technical representative for BOST Machine Tools, CMS provides a wide range of custom-made manufacturing solutions.

Our standardized product offering is showcased throughout the pages of this catalog, each of which can be custom-tailored to accommodate a wide range of manufacturing requirements.





BOST MACHINE TOOLS COMPANY

BOST Machine Tools Company offers a comprehensive machine tool service that includes the design, manufacture and installation of heavy duty, ultra-precision machine tools. Thanks to Bostek Innovation's emphasis on R+D and the wide range of products it supports, BOST creates some of the best tailor-made solutions in the business.

With a highly experienced and dynamic team of engineers, BOST provides a flexible and personalized service, ensuring that all of the machinery manufactured satisfies the precise requirements of each customer.

Whether you require a heavy duty machine tool, a complete custom turn-key installation, a complex machine rebuild, or anything in between, BOST has the solution.



Vertical Lathes VTLC

VTL 25 CY Leku-ona
Spain

VTLC

Technical specifications	Unit	VTL 16 C						VTL 22 C													
Table diameter	mm	1.250			1.400			1.600			1.800										
Maximum turning diameter	mm	1.600						2.200													
Maximum load	kg	12.000						15.000													
Table speed	min ⁻¹	440			400			325			300										
Turning power	kW	74						74													
Standard turning height	mm	1.600						1.600													
Option of different turning heights	mm	2.000						2.000, 2.400													
RAM section	mm x mm	310 x 310			310 x 310			360 x 360			310 x 310			310 x 310			360 x 360				
RAM stroke "Z" axis	mm	1.200	1.500	2.000	1.200	1.500	2.000	1.500	2.000	1.200	1.500	2.000	1.200	1.500	2.000	1.500	2.000				
Min. RAM bore size	mm	350			350			400			350			350			400				
Milling power	kW	30			37			55			30			37			55				
Milling head maximum speed	min ⁻¹	2.500		3.000		2.500		3.000		4.000		2.500		3.000		2.500		3.000		4.000	
"X", "Z" rapid feeds	m/min	20						20													
Total weight of machine	kg	38.000						50.000													

VTL C 22 PC Belaz
Belarus



VTL 63 C Bostmek
Spain

VTL 26 C								VTL 32 C				VTL 36 C				VTL 43 C					
2.000			2.200					2.500		3.000		3.000		3.200		3.500		4.000			
2.600								3.200				3.600				4.300					
25.000								35.000				50.000				60.000					
275			250					225		180		180		150		128		118			
74								94				94				94					
2.000								2.000				2.800				2.800					
2.400, 2.800								2.400, 2.800, 3.200				3.200, 3.600, 4.000				3.200, 3.600, 4.000, 4.400					
310 x 310			310 x 310			360 x 360		310 x 310		360 x 360		310 x 310		360 x 360		310 x 310		360 x 360			
1.200	1.500	2.000	1.200	1.500	2.000	1.500	2.000	1500	2.000	1.500	2.000	1500	2.000	1.500	2.000	1500	2.000	1.500	2.000		
350			350			400		350		400		350		400		350		400			
30			37			55		37	52	37	55	37	52	37	55	37	52	37	55		
2.500		3.000		2.500		3.000		4.000		2.500		3.000		4.000		2.500		3.000		4.000	
20								20				15				15					
70.000								85.000				105.000				120.000					



VTL 22 PC Siemens
China

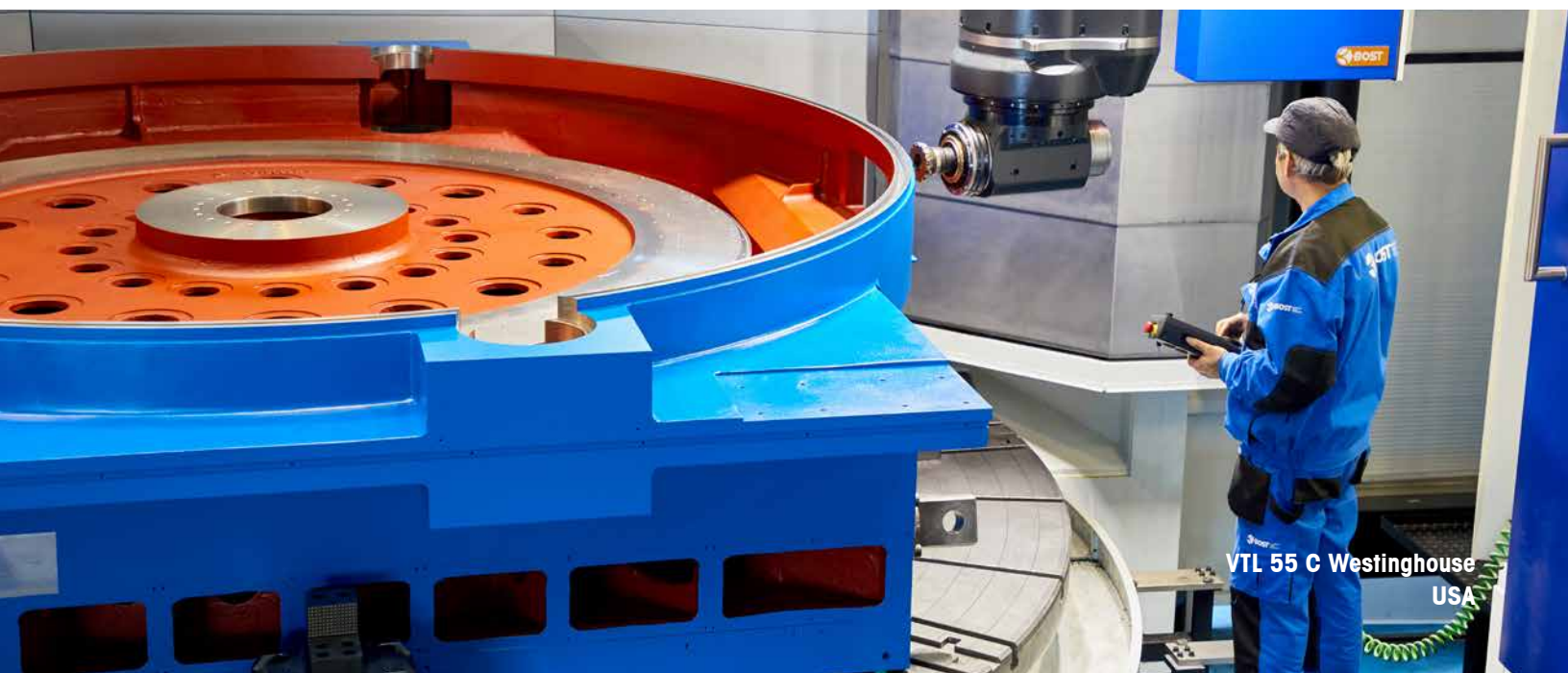


VTL 65 CY Cadinox
Spain

Vertical Lathes VTL C

VTL C

Technical specifications	Unit	VTL 47 C					VTL 53 C										
Table diameter	mm	4.000			4.500		4.500				5.000						
Maximum turning diameter	mm	4.700					5.300										
Maximum load	kg	80.000					100.000										
Table speed	min ⁻¹	108			100		100				95						
Turning power	kW	94					94				128						
Standard turning height	mm	2.800					2.800										
Option of different turning heights	mm	3.200, 3.600, 4.000, 4.400, 4.400, 4.800					3.200, 3.600, 4.000, 4.400, 4.800, 5.200, 5.600										
RAM section	mm x mm	310 x 310			360 x 360		310 x 310		360 x 360		410 x 410						
RAM stroke "Z" axis	mm	1500		2.000		1.500		2.000		1.500	2.000	2.000	2.500	2.500	3.000		
Min. RAM bore size	mm	350			400		350			400		460					
Milling power	kW	37	52	37	55		37	52	37	55		63		60			
Milling head maximum speed	min ⁻¹	2.500		3.000		4.000		2.500		3.000		4.000		4.500		5.000	
"X", "Z" rapid feeds	m/min	15					15										
Total weight of machine	kg	160.000					180.000										



VTL 55 C Westinghouse
USA



**VTL 58 C Tamkeen
Saudi Arabia**

VTL 63 C								VTL 73 C								VTL 85 C							
5.500				6.000				7.000								8.000							
6.300								7.300								8.500							
150.000								200.000								250.000							
78				75				55								50							
128								178								178							
2.800								3.600								3.600							
3.200, 3.600, 4.000, 4.400, 4.800, 5.200, 5.600, 6.000								4.000, 4.400, 4.400, 4.800, 5.200, 5.600, 6.000								4.000, 4.400, 4.800, 5.200, 5.600, 6.000							
310 x 310		360 x 360		410 x 410				310 x 310		360 x 360		410 x 410				310 x 310		360 x 360		410 x 410			
1500	2.000	1.500	2.000	2.000	2.500	2.500	3.000	1.500	2.000	1.500	2.000	2.000	2.500	2.500	3.000	1.500	2.000	1.500	2.000	2.000	2.500	2.500	3.000
350		400		460				350		400		460				350		400		460			
37	52	37	55		63		60	37	52	37	55		63		60	37	52	37	55		63		60
2.500		3.000	4.000		4.500		5.000	2.500		3.000	4.000		4.500		5.000	2.500		3.000	4.000		4.500		5.000
15								10								10							
200.000								240.000								310.000							



**VTL 60 CY Magna Machine
USA**





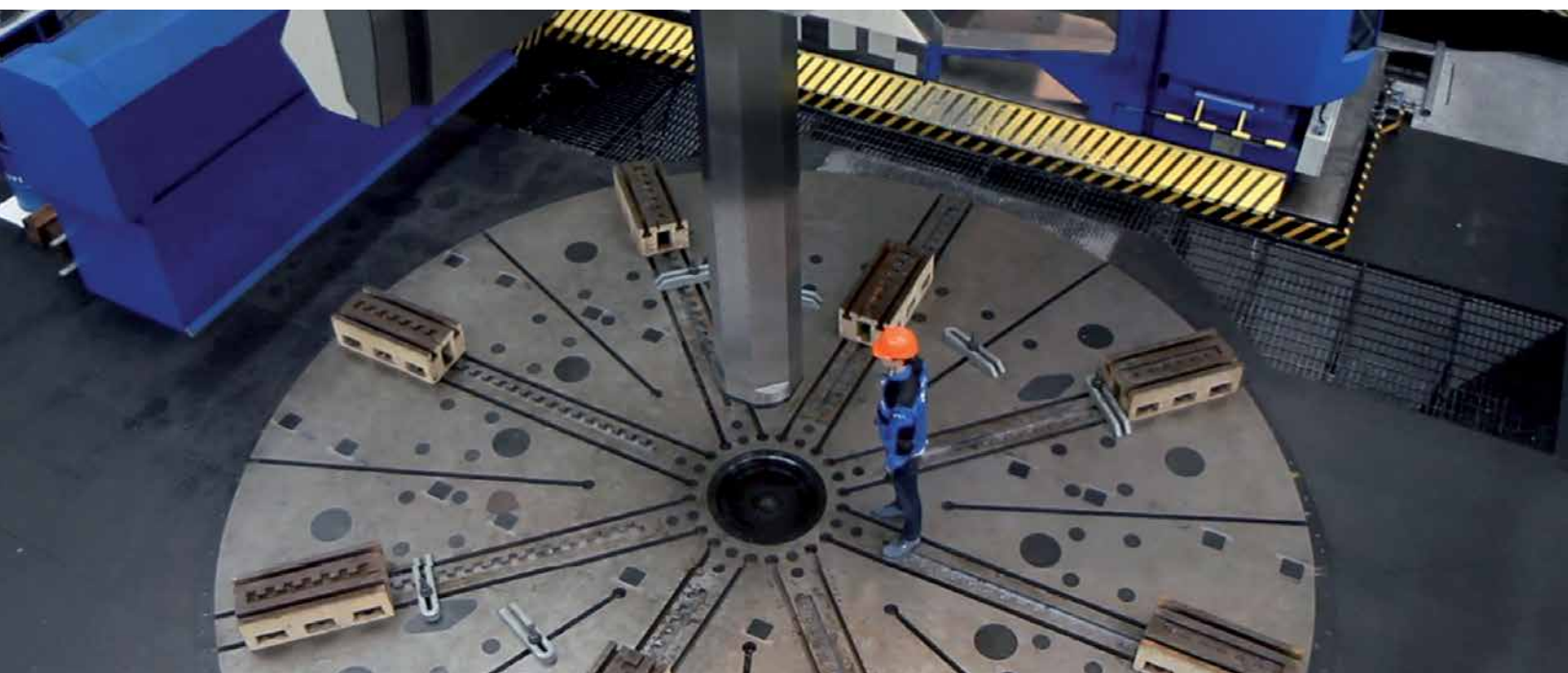
VTL 55 C Westinghouse
USA



Vertical Lathes VTH C

VTH C

Technical specifications	Unit	VTH 100 C		VTH 100 C Y		VTH 160 C U	
Table diameter	mm	8.000		8.000		8.000	
Maximum turning diameter	mm	10.000		10.000		16.000	
Moving column		-		YES		YES	
"Y" axis		-		YES		.	
"U" axis		-		-		YES	
Maximum load	kg	350.000		350.000		350.000	
Table speed	min ⁻¹	50		50		50	
Turning power	kW	178		178		178	
Standard turning height	mm	5.000		5.000		5.000	
Option of different turning heights	mm	5.500 / 6.000		5.500 / 6.000		5.500 / 6.000	
RAM section	mm x mm	560 X 560		560 X 560		560 X 560	
RAM stroke "Z" axis	mm	3.000	3.500	3.000	3.500	3.000	3.500
Min. RAM bore size	mm	600		600		600	
Milling power	kW	63	60	63	60	63	60
Milling head maximum speed	min ⁻¹	4.500	5.000	4.500	5.000	4.500	5.000
"X", "Z" rapid feeds	m/min	10.000		10.000		10.000	
Total weight of machine	kg	420.000		490.000		490.000	





VTJ 100 CY DCNS
France

Turnmill Lathes

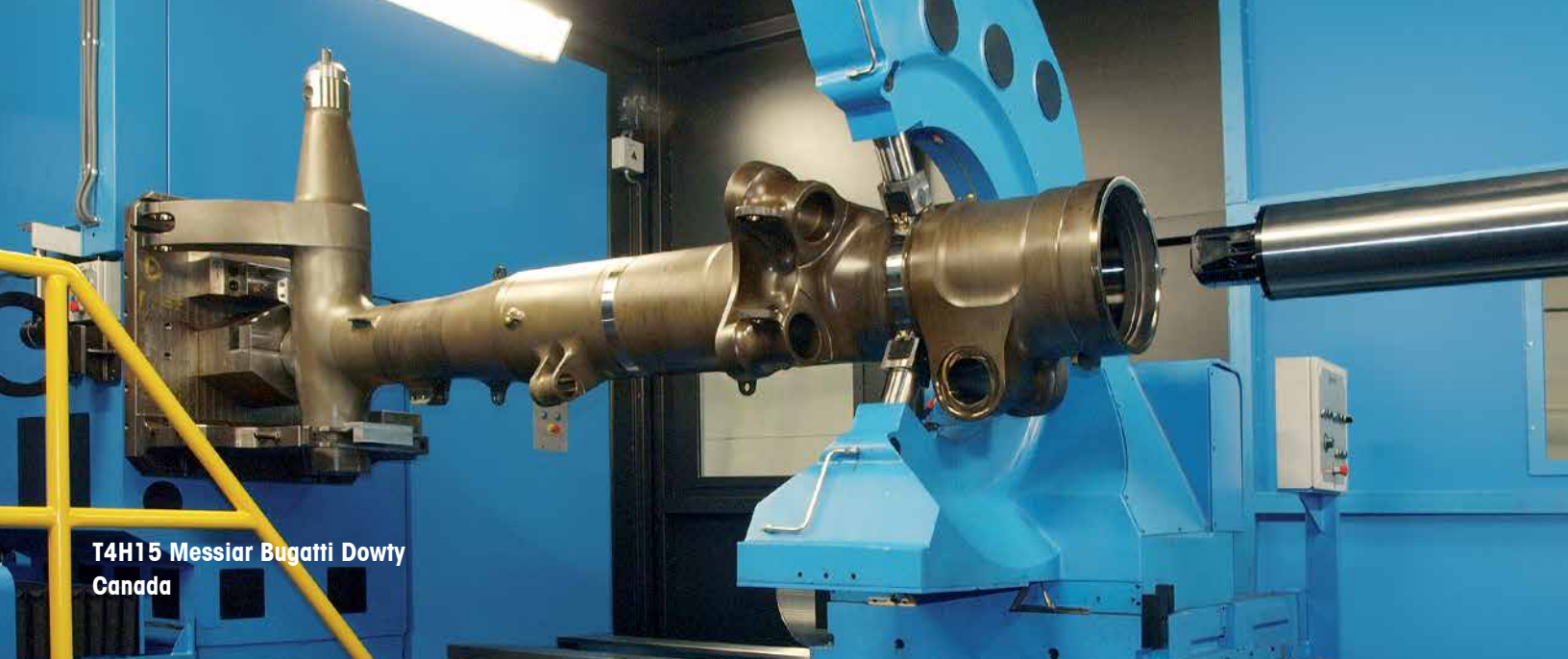
T3F/T4H/T6H

T3F/T4H/T6H

Technical specifications	Unit	T3F15	T4H15	T4H20
Maximum machining diameter	mm	600 / 1.500	1500	2.000
Nominal centre distance	mm	3.000 - 6.500	4.000 - 10.000	4.000 - 30.000
Number of guides	n	2	4	4
RAM size	mm	-	500 x 500	500 x 500
"X" axis (ram) stroke	mm	-	1.000	1.200 / 1.500
"U" axis stroke	mm	1.010	-	-
"Y" axis stroke	mm	650	1.400	1.800
Chuck diameter	mm	400 / 1.000	1.000	1.200 / 1.500
Maximum workpiece weight with steady rests	kg	7.000	12.000 / 20.000	12.000 / 20.000 / 40.000 / 60.000
Main spindle Turning Power (S1, 100%)	kW	60	74 / 104 / 128	104 / 128 / 178
Main spindle Turning Torque (S1, 100%)	Nm	10.410	37.700 - 101.900	39.700 - 212.500
Main spindle Gear ranges	n	2	2	2
Maximum rotation speed	min ⁻¹	1.000 - 550	700 - 300	400 - 200
Type of guides "Z" & "Y" axes		Linear guides	Hydrostatic guides	Hydrostatic guides
Type of guides "X" axis (ram)		-	Hydrostatic guides	Hydrostatic guides
Type of guides "U" axis		Linear guides	-	-
Milling Spindle Power (S1, 100%)	kW	42	37 / 63	63 / 89
Milling Spindle Torque (S1, 100%)	Nm	1.105	1.410 / 2.150	2.150 / 3.390
Maximum rotation speed	min ⁻¹	4.000	4.500 / 4.000	4.000 / 4.500
Milling spindle Gear ranges	n	2	2	2
Milling spindle tool taper		HSK-100 A/T	HSK-125 A	HSK-125 A
Turning tool clamping system			CAPTO C6 / C8 / KM80	CAPTO C6 / C8 / KM80
Linear axes rapid feed ("X", "Y" & "Z")	mm/min	15.000	10.000 / 20.000	10.000 / 20.000
Automatic Attachment changing device		No	Yes	Yes
Automatic tool changer	n	40	120	120



T6H25 Celsa
Poland



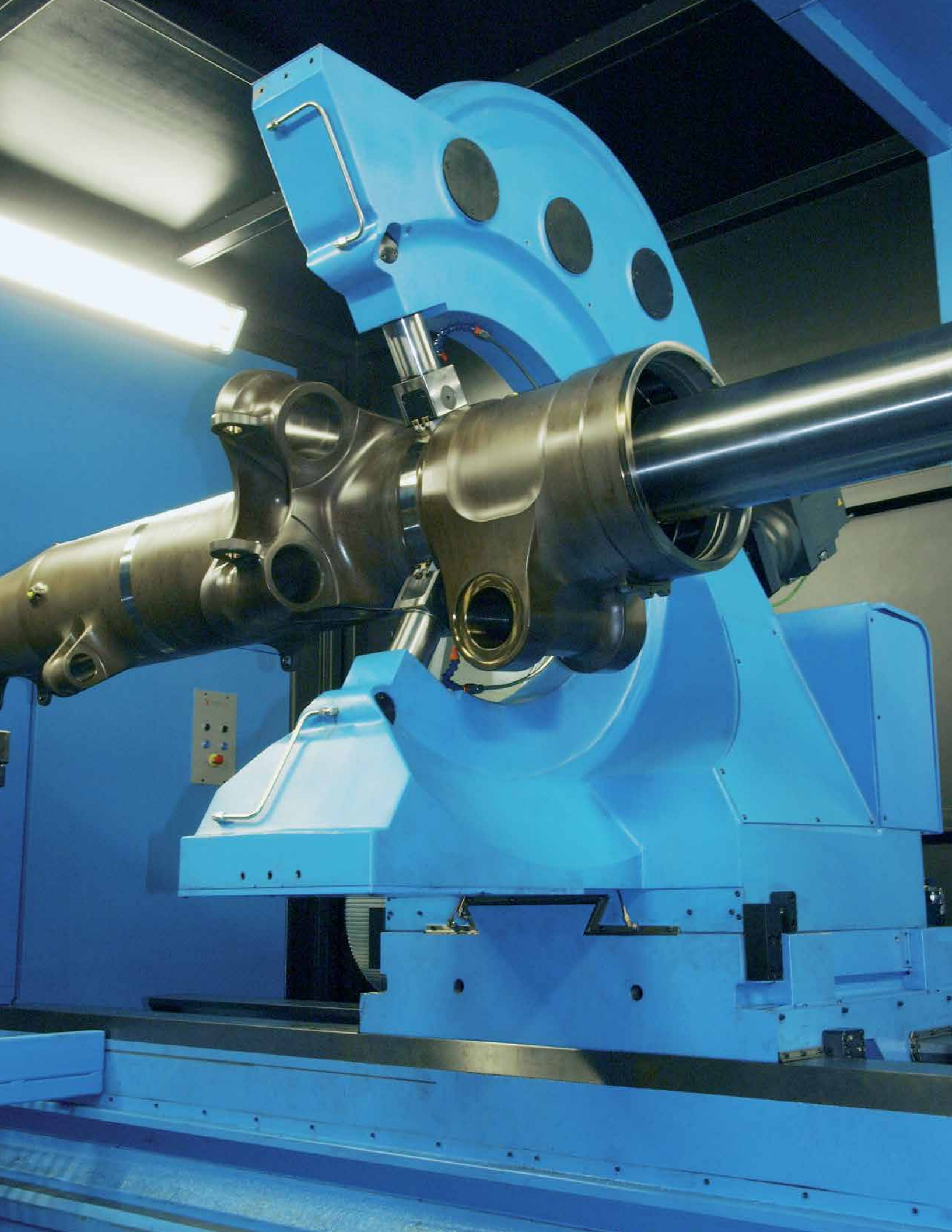
**T4H15 Messiar Bugatti Dowty
Canada**

T6H25	T6H30	T6H35
2.500	3.000	3.500
5.000 - 30.000	5.000 - 30.000	5.000 - 30.000
5	5	5
-	-	-
-	-	-
1.600	2.000	2.000
2.200	2.700	3.200
1.500 / 2.000	1.500 / 2.000 / 2.500	1.500 / 2.000 / 2.500
40.000 / 60.000 / 100.000 / 150.000	40.000 / 60.000 / 100.000 / 150.000	40.000 / 60.000 / 100.000 / 150.000
128 / 178 / 230	128 / 178 / 230	128 / 178 / 230
141.700 - 212.500	274.600 - 422.400	274.600 - 604.000
2	2	2 / 4
300 - 130	300 - 130	300 - 130
Hydrostatic guides	Hydrostatic guides	Hydrostatic guides
Hydrostatic guides	Hydrostatic guides	Hydrostatic guides
Hydrostatic guides	Hydrostatic guides	Hydrostatic guides
89 / 115	89 / 115	89 / 115
3.390 / 13.200	3.390 / 13.200	3.390 / 13.200
4.000 / 2.000	4.000 / 2.000	4.000 / 2.000
2 / 4	2 / 4	2 / 4
HSK-160 A / 125 A	HSK-160 A / 125 A	HSK-160 A / 125 A
CAPTO C8 / C10 / KM 80 / KM 100	CAPTO C8 / C10 / KM 80 / KM 100	CAPTO C8 / C10 / KM 80 / KM 100
10.000 / 15.000	10.000 / 15.000	10.000 / 15.000
Yes	Yes	Yes
120	120	120



**T3F10 Dandong 518
China**



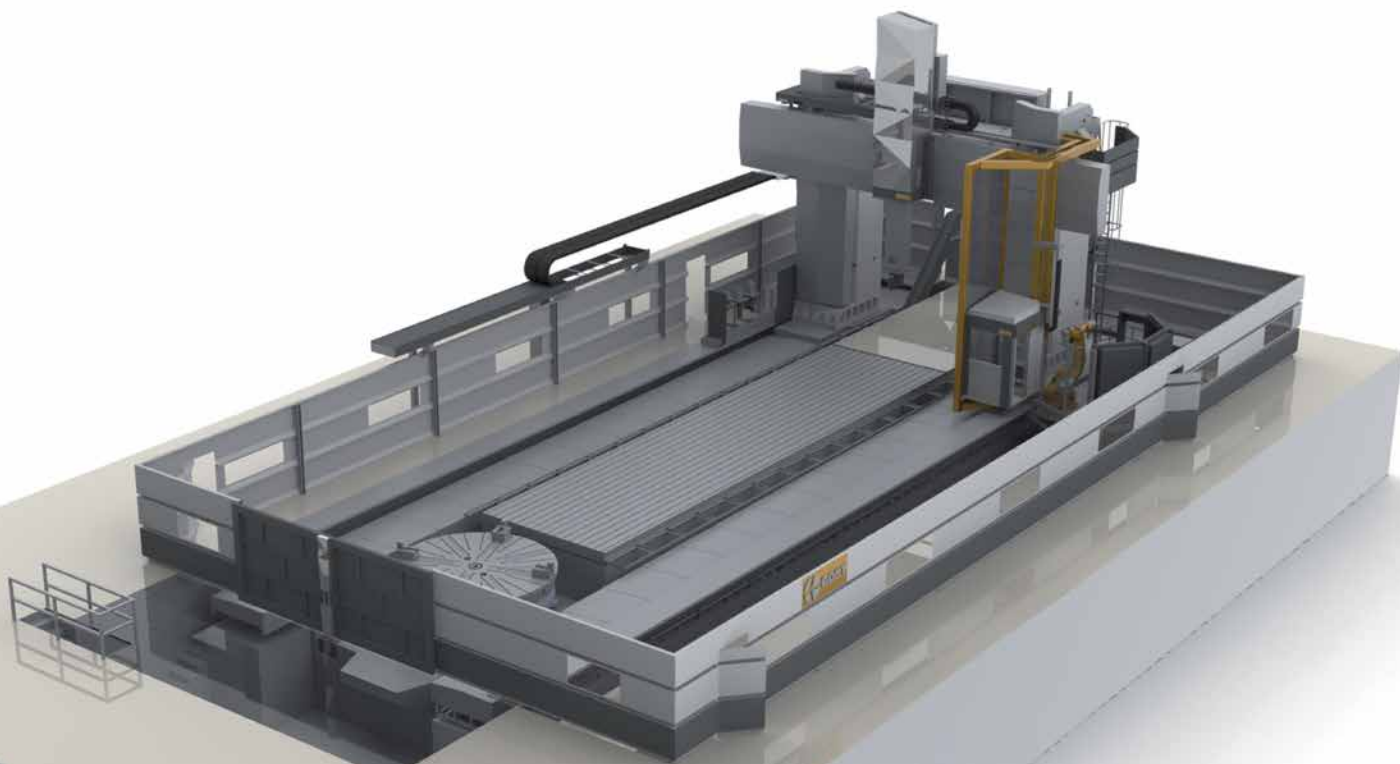


Gantry Machines PGM



PGM

Technical specifications	Unit	PGM 53	PGM 63	PGM 73	PGM 81
Distance between columns	mm	5.300	6.300	7.300	8.100
"X" axis	mm	8.000 + N x 2.000			
"Y" axis	mm	6.800	7.800	8.800	9.600
"Z" axis	mm	2.000 / 2.500 / 3.000 / 3.500 / 4.000			
Max. height under spindle	mm	7.000			
RAM section	mm	560 x 560 / 650 x 650			
Max. milling power (S1, 100%)	kW	89 / 115 / 119			
Gear ranges	Nm	2 / 2 / 4			
Max milling speed	min ⁻¹	4.000 / 3.000 / 2.500			
Max. Milling torque (S1, 100%)	Nm	3300 / 6.850 / 13.280			
"X", "Y" rapid feeds	mm/min	15.000 / 25000			
"Z" rapid feed	mm/min	10.000 / 20000			
"W" rapid feed	mm/min	4.000			
Optional turning table diameter	mm	4.000	5.000	6.000	7.000





PGM 53 Tontec
China

Boring Machines

BOSTRAM



Bostram 5.000 LMTG
India



Bostram 7.000 Gerdau
Spain

BOSTRAM

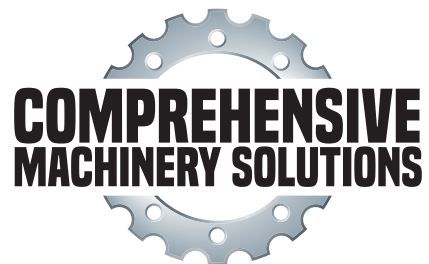
Technical specifications	Unit	Bostram 5.000		Bostram 6.000		Bostram 7.000		
Boring spindle diameter	mm	160	180	160	180	200	225	260
Vertical "Y" axis	mm	3500/4.000/4.500/5.000		4500/5.000/5.500/6.000		5000/5.500/6.000/6.500/7.000		
Longitudinal "X" axis	mm	4.000 + N x 1.000		4.000 + N x 1.000		4.000 + N x 1.000		
RAM section	mm	450 x 510		450 x 510		500 x 550		
RAM stroke "Z" axis	mm	1.000	1.300	1.300	1.500	1.500		1.700
Spindle stroke "W" axis	mm	1.000	1.200	1.000	1.200	1.200		1.500
Max. spindle power (S1, 100%)	kW	89		115		145		
Max. spindle torque (S1, 100%)	Nm	8040		15350		30.330		
Max. spindle speed	min ⁻¹	3500		3500		2.200		
Rapid feeds ("X", "Y", "Z" & "W")	mm/min	15.000	25.000	15.000	25.000	15.000		25.000
Type of guides ("X", "Y" & "Z")		Hydrostatic		Hydrostatic		Hydrostatic		



Bostram 7.000 Ensa
Spain



Bostram 7.000 Gerdau
Spain



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