

MARKETS



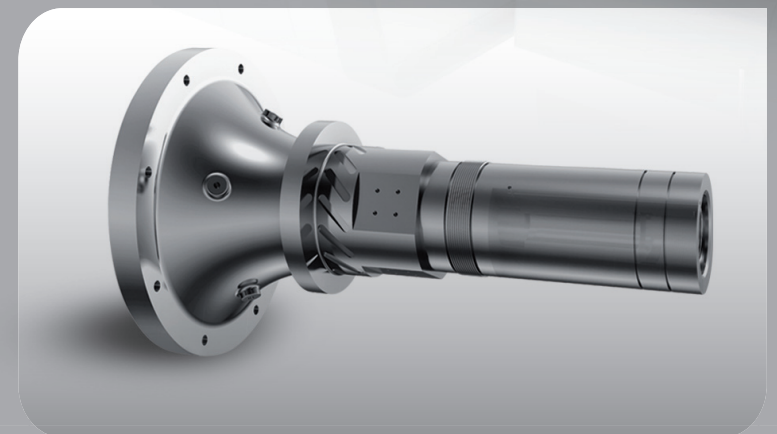
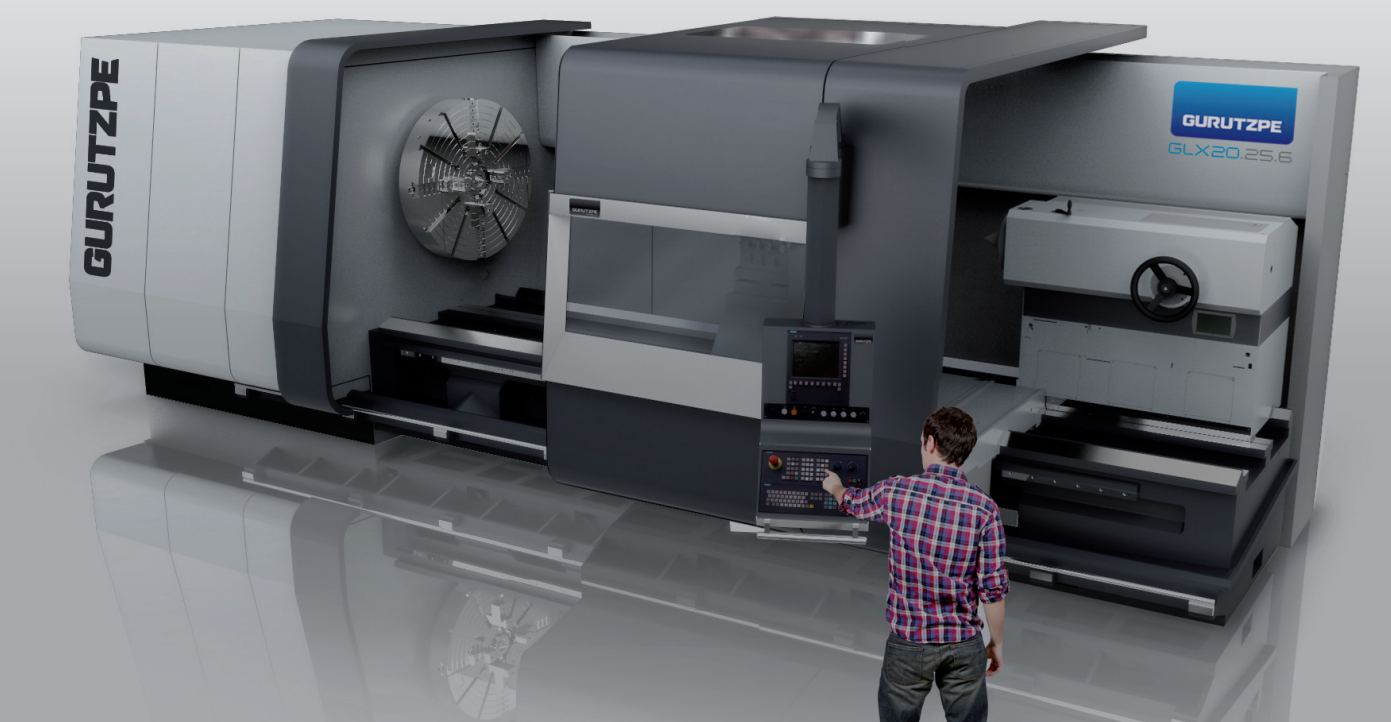



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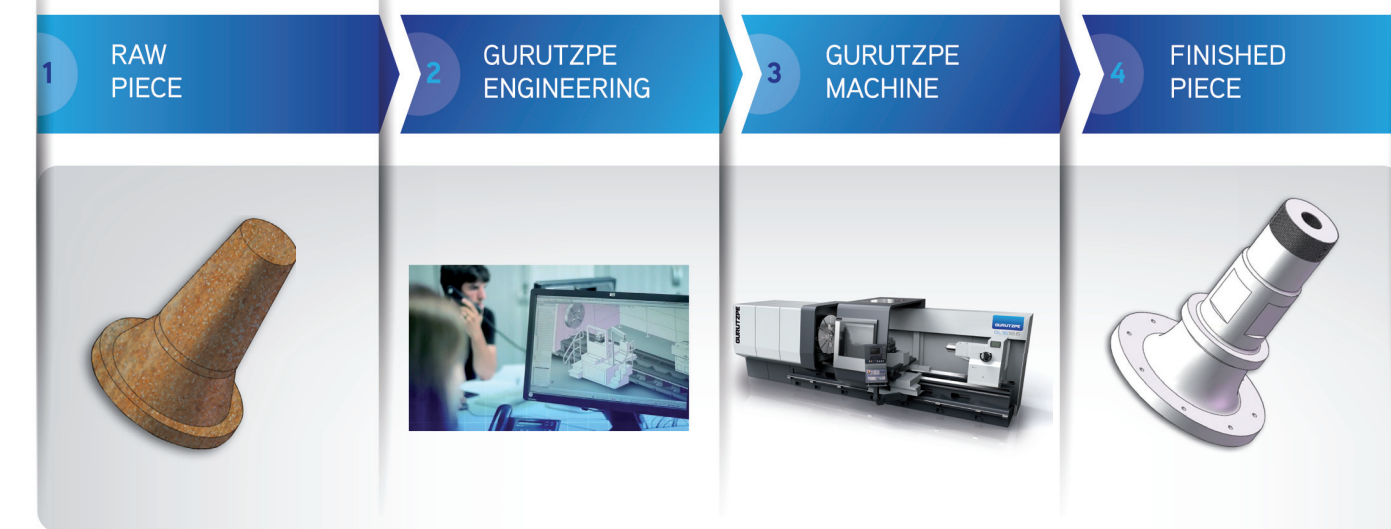


EUROPEAN LEADERS in HEAVY DUTY CNC LATHES

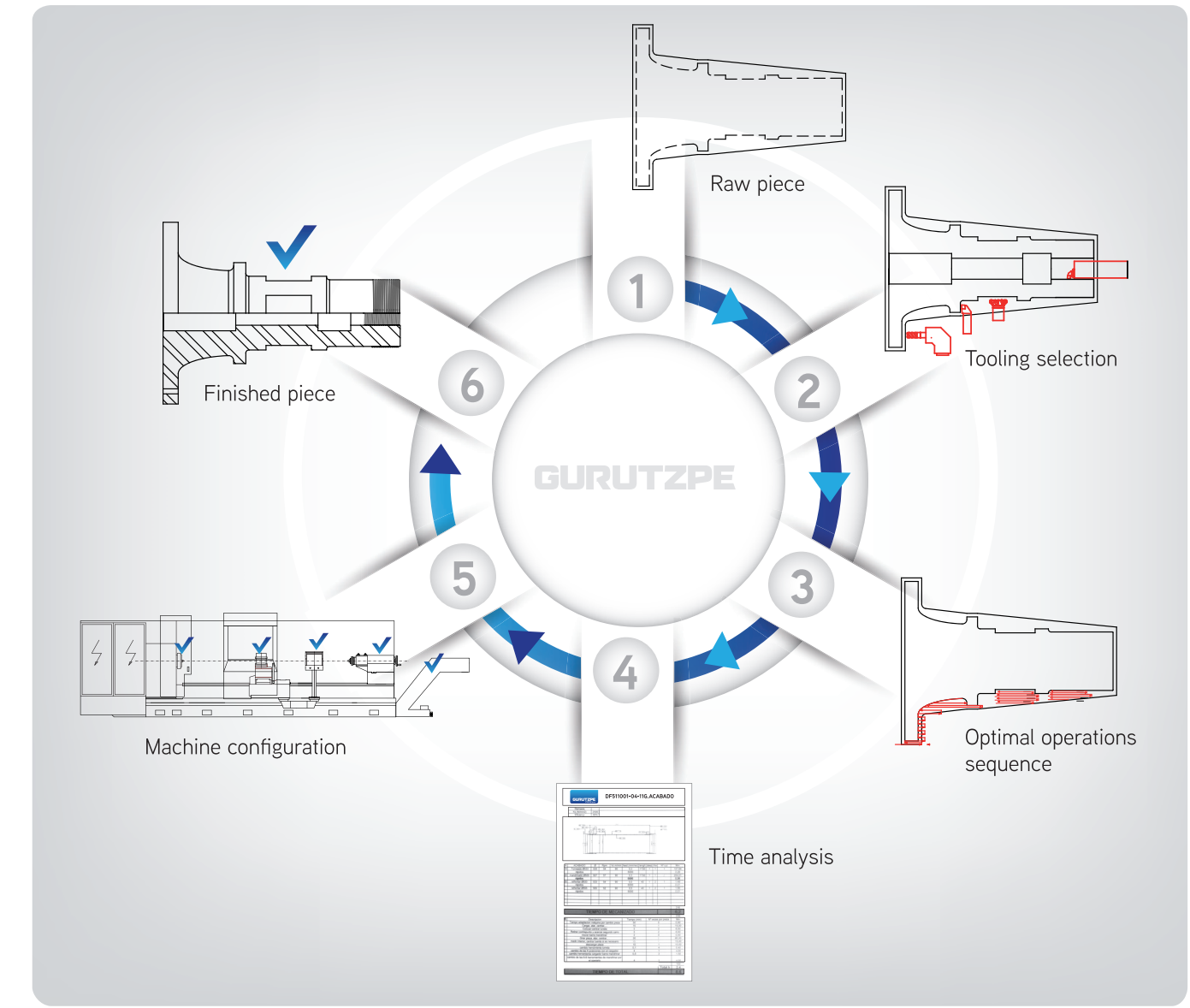


YOUR TURNING SOLUTIONS

Focused on quality and cost of your piece.

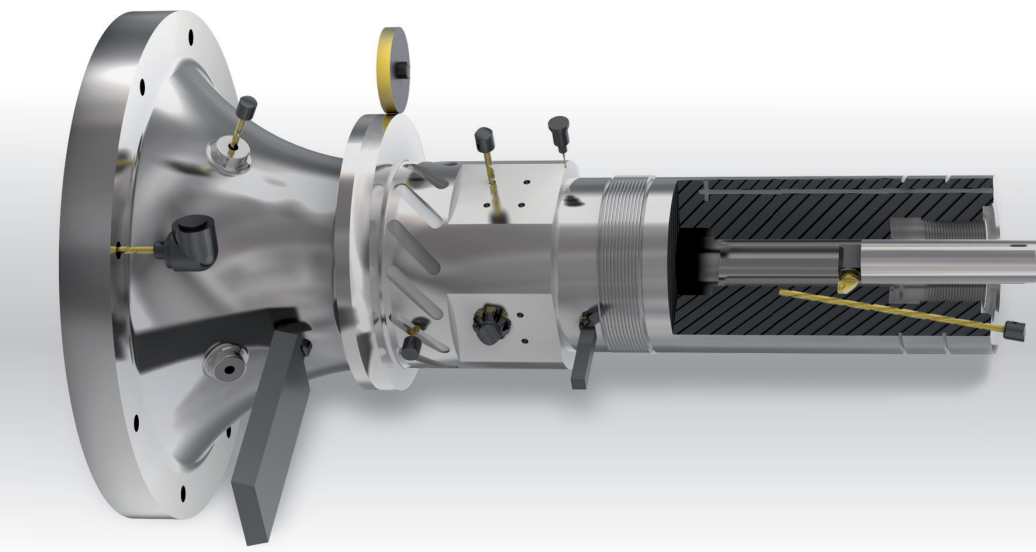


Optimal Turning Solution Proposal.





# MULTITASK MACHINING

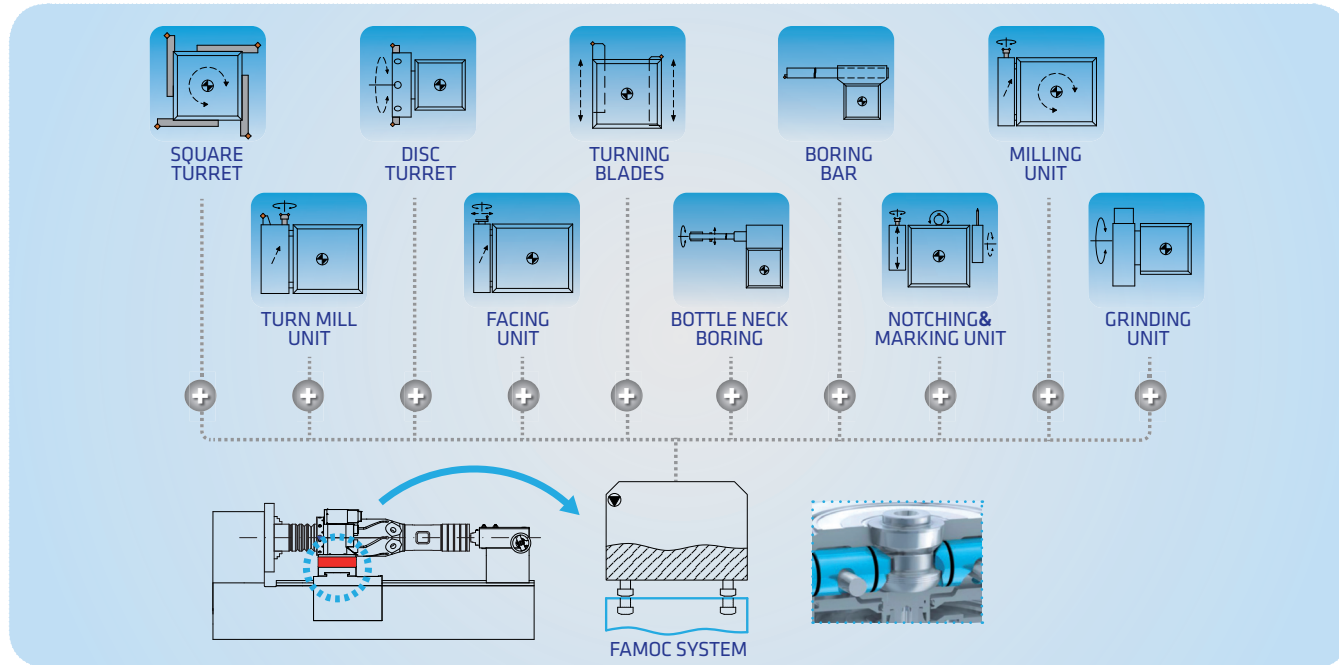


## GURUTZPE

- + Turning
- + Boring
- + Threading
- + Burnishing
- + Tool and Piece measuring
- + Milling
- + Drilling
- + Facing
- + Bottle-neck boring
- + Grinding



### FAMOC (FAst Machining Operation Change system)

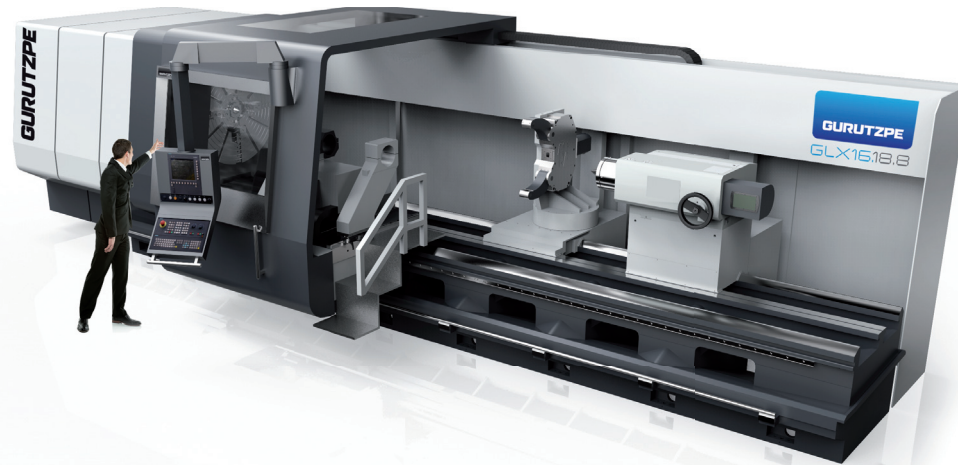
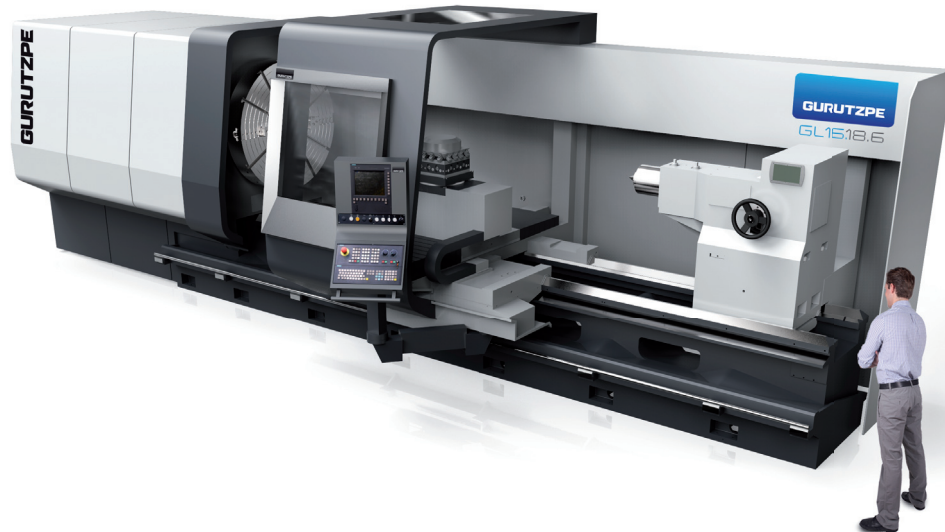


### MODEL SELECTION

W <sub>bc</sub> (t)	S <sub>bc</sub> (mm)		1000		1300		1600		2000		2500		3000		4000	
	S <sub>bc</sub> (mm)	S <sub>bc</sub> (mm)	700	1000	1300	1700	2100	2500	3000	4000						
5 t			GL 10													
12 t				GL 13 GLX 13												
18 t					GL 16 GLX 16											
25 t						GLX 20										
40 t							GLH 25	GLH 30								
60 t									GLH 25	GLH 30	GLH 40					
90 t												GLH 30	GLH 40			
130 t																GLH 40

## SERIE GL

Extremely robust and reliable two guideway lathes. Monoblock bed in "V" type autocentering double guiding system with a 3rd guide support for the carriage, the GL series achieves the highest rigidity in the guiding, very high material removal capacity, and unsurpassed machining accuracy performance for many years.

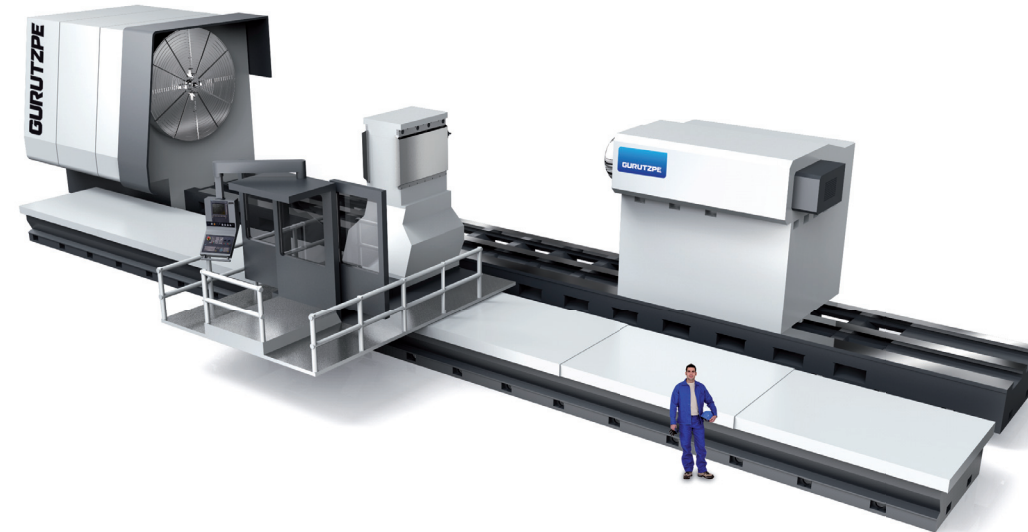
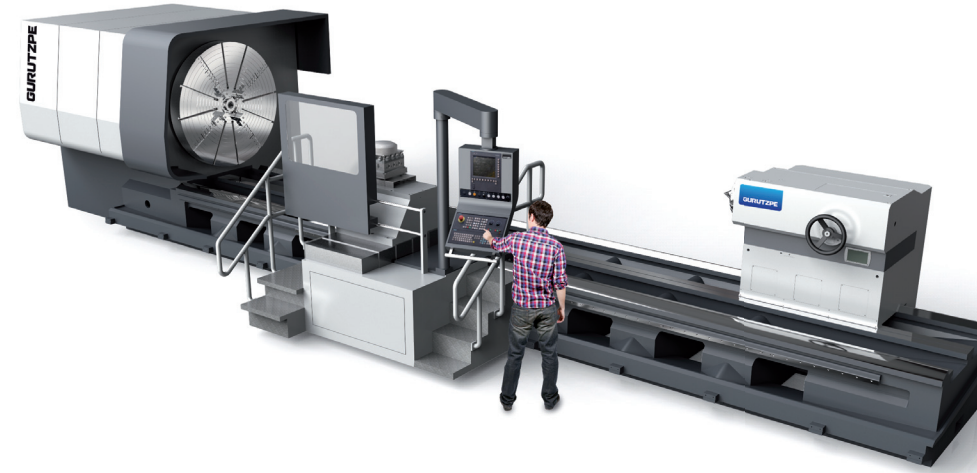


## SERIE GLX

Four guideway lathes which combine a high working flexibility (crossing steady rests and other accessories...) with a remarkable sturdiness and reliability. Monoblock bed in "V" type autocentering guiding system and a 5th guide support for the carriage to obtain the best results in heavy chip removal and finishing accuracy.

## SERIE GLH

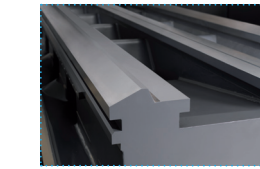
Four guideway lathes with open configuration with monoblock bed in "V" type autocentering guiding system and a 5th guide support for the carriage, the GLH series is easy to use and maintain, and achieves the standard quality performance in GURUTZPE.



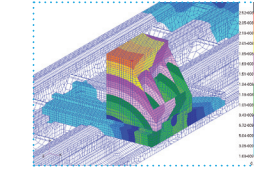
## SERIE GLH 40

Double bed lathes, one for holding the piece (headstock, tailstock and steady rests) and the other for the machining carriages. The longitudinal "V" type guiding and cross anti-yaw effect driving system guarantee the maximum positioning accuracy (< 20 µm) and squareness in regard to the machine axis. User friendly and easy to maintain.

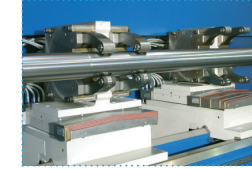
## EXCELLENT PERFORMANCE



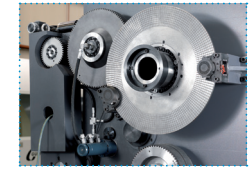
**"V" GUIDING.**  
Self centering slide guiding system between the hardened & ground cast bed, and the lubricated Biplast top. Best guiding system for turning and grinding, contrasted by the best manufacturers in the world, which GURUTZPE applies to its entire product range.



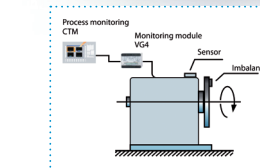
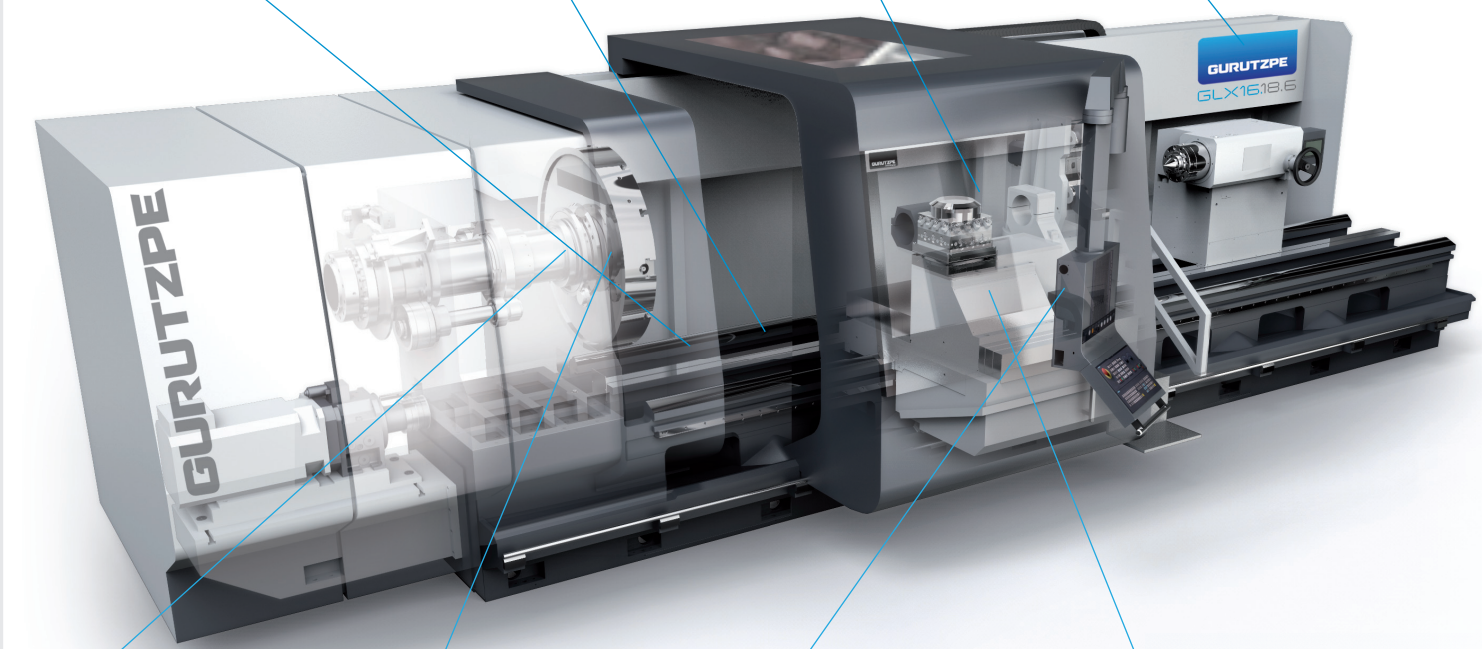
**STURDY & RELIABLE.**  
Solid bedway, headstock and tailstock on monoblock GG-30 casting. Maximizing stiffness and damping parameters.



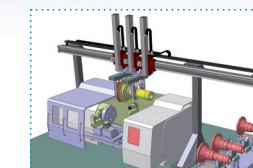
**STEADY-RESTS.**  
Full range of steady-rests, from "C" type with rollers, closed with high rigidity, self-centering hydraulic or hydrostatic for highest loads.



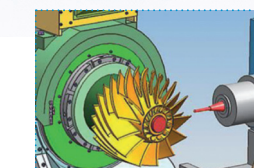
**EASY OPERATION & MAINTENANCE.**  
Our machines are designed by and for people in the workshop. We know that the machines age and warranty period expires, we know that the coolant and chips reach more remote areas. The ease of use and maintenance of the machines are priority assumptions when designing them.



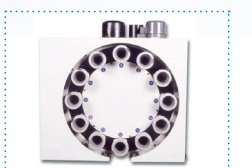
**SENSOR & MONITORING.**  
The installation of vibration, temperature, power consumption, etc., sensors in critical areas of the machine allows us to monitor and manage in real time aspects like bearing condition, lubrication system, tool wear, unbalances, etc.



**AUTOMATIC PIECE LOADING.**  
Solutions to load/unload pieces up to 5 t. Combining with hydraulic chucks and steady-rests, automatic tailstock and total enclosure, it allows to operate in a highly automatic machining mode.



**CAM & SIMULATION.**  
From the CAD model of the workpiece, the machining program can be produced a detailed trajectory of the tool and all movements of the machine, optimizing processes and avoiding collisions. This results in substantial increases in productivity.



**AUTOMATIC TOOL CHANGER.**  
Several ATC solutions for turning and milling processes. Depending on the machine configuration, the suitable ATC system is designed (rack, disc, chain...).

			NOT CROSSING			CROSSING			CROSSING & OPEN										
			GL 10	GL13	GL16	GLX13	GLX16	GLX20	GLH25			GLH30			GLH40				
WORKING RANGE	Swing over bed	S <sub>cb</sub>	mm	Ø 1000	Ø 1300	Ø 1600	Ø 1300	Ø 1600	Ø 2000	Ø 2500			Ø 3000			Ø 4000			
	Swing over carriage	S <sub>cc</sub>	mm	Ø 700	Ø 1000	Ø 1200	Ø 1000	Ø 1300	Ø 1700	Ø 2100			Ø 2500			Ø 4000			
	Distance between centers	L <sub>bc</sub>	m	≤4	≤8	≤15	≤15	≤15	≤20	≤20			≤25			≤25			
HEADSTOCK	Motor power S1/S6	P <sub>m</sub>	kw	22/28 [28/34]	28/34 [39/48]	39/48 [51/65]	28/34 [39/48]	39/48 [51/65]	71/88 [92/114]	92/114	92/114	113/140	113/140	113/140	113/140	113/140	113/140	113/140	226/280
	Motor torque S1/S6	T <sub>m</sub>	kNm	2,7/3,3 [3,4/4,2]	5,3/6,5 [7,4/9,2]	11,2/13,7 [14,6/18,6]	5,3/6,5 [7,4/9,2]	11,2/13,7 [14,6/18,6]	24,4/30,2 [31,2/38,7]	31,2/38,7	31,2/38,7	75,5/93,5	38,3/47,5	75,5/93,5	75,5/93,5	75,5/93,5	75,5/93,5	103/127,6	
	Speed range spindle	n <sub>s</sub>	rpm	0÷1400	0÷1000	0÷800	0÷1000	0÷800	0÷500	0÷500	0÷500	0÷240	0÷240	0÷240	0÷240	0÷240	0÷240	0÷240	
	Chuck adapt. DIN 55026			A11	A11	A15	A11	A15	A20	A20	A20	A28	A20	A28	A28	A28	A28	A28	
	Spindle bore	Ø <sub>sb</sub>	mm	Ø130	Ø110 [Ø360]	Ø110 [Ø550]	Ø110 [Ø360]	Ø110 [Ø550]	Ø110	Ø110	Ø110	Ø290	Ø290	Ø340	Ø290	Ø340	Ø400	Ø340	Ø400
Shaft diameter at frontal bearing	Ø <sub>fb</sub>	mm	Ø180	Ø203	Ø203	Ø203	Ø203	Ø254	Ø290	Ø290	Ø340	Ø290	Ø340	Ø400	Ø340	Ø400	Ø460		
TAILSTOCK	Workpiece weight bc	W <sub>bc</sub>	t	5	6/10/12	6/10/15/18	6/10/12	6/10/15/18	15/20/25	25	40	60	40	60	90	60	90	130	
	Quill	Ø <sub>q</sub>	mm	140	140/180/220	140/180/220/280	140/180/220	140/180/220/280	220/280/320	320	400	500	400	500	580	500	580	650	
	Stroke "X" / "Z"		mm	500 / L <sub>bc</sub> + 50	675 / L <sub>bc</sub> + 50	800 / L <sub>bc</sub> + 100	580 / L <sub>bc</sub> + 50	725 / L <sub>bc</sub> + 100	900 / L <sub>bc</sub> + 100	1130 / L <sub>bc</sub> + 100			1350 / L <sub>bc</sub> + 100			1750 / L <sub>bc</sub> + 100			
CARRIAGE	Force "X" / "Z"	F	kN	12 / 18	12 / 24	24 / 36	12 / 24	24 / 36	28 / 42	30 / 60			40/75			60/100			
	Speed "X" / "Z"	v	m/min	8 / 6	8 / 6	8 / 6	8 / 6	8 / 6	8 / 6	8 / 6			8 / 6			8 / 6			
	Length x Width x Height		m	8,9 (4m) x 2,5 x 2	9,6 (4m) x 2,8 x 2,6	12 (6m) x 3 x 2,8	11,4 (6m) x 2,9 x 2,6	11,8 (6m) x 3,3 x 2,9	14,4 (8m) x 3,5 x 3,2	15 (8m) x 5,6 x 3,5			16,5 (8m) x 7 x 4			18 (8m) x 9,5 x 5,5			
OTHER DATA	Center height above ground		mm	1.240	1.490	1.675	1.500	1.690	1.865	2.040			2.290			2.900			
	Machine weight approx.	W <sub>m</sub>	t	10 (4m)	15 (4m)	25 (6m)	20 (6m)	28 (6m)	42 (8m)	60 (8m)			75 (8m)			100 (8m)			
	Bed width	B <sub>w</sub>	mm	680	875	1.090	1.350	1.650	1.950	1.950			2.500			2x 1.950			
	Numerical control			FAGOR / SIEMENS / FANUC			FAGOR / SIEMENS / FANUC			FAGOR / SIEMENS / FANUC			FAGOR / SIEMENS / FANUC			FAGOR / SIEMENS / FANUC			
	Acceptance test			DIN 8607			DIN 8607			DIN 8607			DIN 8607			DIN 8607			
Acceptance accuracy			ISO 13041			ISO 13041			ISO 13041			ISO 13041			ISO 13041				