

SECTORS

GURUTZPE
ETXETAR group

 Railway industry		   
 Renewable energies		 
 Turbines		  
 Oil&Gas industry		  <small>SCHUELLER-RECKMANN OILFIELD TECHNOLOGY</small>  
 Steel and heavy duty industry		    
 General industry		   

GURUTZPE
ETXETAR group

HEADQUARTERS
Tornos Gurutzpe S.A.
Pol. Ind. Parcela Q8 ITZIAR-DEBA (SPAIN)
T +34 943 19 90 80
F +34 943 19 92 25
e-mail: gurutzpe@gurutzpe.com

Gurutzpe 中国代表处
北京昌平区北七家高科技工业园
电话: 0086-10-81764768-109
手机: 0086-13693033639
传真: 0086-10-81764595
邮箱: tc_wang@126.com

Gurutzpe USA
1270 Rankin, Suite E
Troy, MI 48063 USA
Phone: (815) 282 3310
Fax: (248) 733 9717
Cell: (815) 979 3758
e-mail: skmach1@aol.com

gurutzpe.com



GURUTZPE
ETXETAR group

doing well
the important things

LEADERS IN HEAVY DUTY CNC LATHES



TURNING SOLUTIONS FOR YOU.



Your project is our project. Our solutions are made for your reassurance. We want to share with you our accumulated experience acquired after having designed and built more than **6000 tailor-made lathes** in the last 60 years. We are prepared to face up to the challenges you may present us, committing ourselves to the results. Offering **high value solutions** and strengthening the reliability of your work.

We continue to evolve through improvement and innovation, designing, environmental sustainability etc., but above all we evolve through consolidating a formula that distinguishes us: becoming the technological partner your company needs to achieve the global turning solutions the current market is demanding.

- + Turning
- + Milling
- + Boring
- + Drilling
- + Threading
- + Grinding
- + Tool & Piece measuring



W _{bc} (t)	Ø _{sc} (mm)	Ø _{ob} (mm)						
		1000	1300	1600	2000	2500	3000	4000
5 t.	700	GL 10						
12 t.	1000		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

GL

Extremely robust and reliable two guideway lathes. Monoblock bed in "V" type auto centering 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. Ø_{oc} = 1300 mm and 18 t workpieces.



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 auto centering guiding system and a 5th guide support for the carriage to obtain the best results in heavy chip removal and finishing accuracy. Ø_{oc} = 1700 mm and 25 t workpieces.

GLH

Four guideway lathes with open configuration for pieces of Ø_{oc} = 2600 mm and 90 t. Up to 2500 mm width monoblock bed in "V" type auto centering 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.



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. Ø_{oc} = 4000 mm and 130 t workpieces.

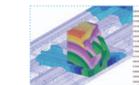
2 GUIDE-WAY

4 GUIDE-WAY

4 GUIDE-WAY OPEN

			2 GUIDE-WAY			4 GUIDE-WAY			4 GUIDE-WAY OPEN							
			GL 10	GL13	GL16	GLX13	GLX16	GLX20	GLH25	GLH30	GLH40					
WORKING RANGE	Swing over bed	Ø _{ob} mm	Ø 1000	Ø 1300	Ø 1600	Ø 1300	Ø 1600	Ø 2000	Ø 2500	Ø 3000	Ø 4000					
	Swing over carriage	Ø _{oc} mm	Ø 700	Ø 1000	Ø 1200	Ø 1000	Ø 1300	Ø 1700	Ø 2100	Ø 2600	Ø 4000					
	Distance between centers ≤	L _{bc} m	4	8	15	15	15	20	20	25	25					
HEADSTOCK	Motor power S1/S6	P _m 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 [113/140]	113/140	226/280					
	Motor torque S1/S6	T _m 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 [38,3/47,5]	75,5/93,5	103/127,6					
	Speed range	n _s rpm	0÷1400	0÷1200	0÷800	0÷800	0÷800	0÷500	0÷500	0÷240	0÷240					
	Chuck adapt. DIN 55026		A11	A11	A15	A11	A15	A20	A20	A28	A28					
	Spindle bore	Ø mm	Ø130	Ø150 [Ø360]	Ø110 [Ø550]	Ø150 [Ø360]	Ø110 [Ø550]	Ø110	Ø110	Ø110	Ø110					
Shaft diameter at frontal bearing	Ø mm	Ø180	Ø200	Ø203	Ø200	Ø203	Ø254	Ø290	Ø290	Ø550						
TAILSTOCK	Workpiece weight bc	W _{bc} t	5	12	18	12	18	25	40	60	40	60	90	60	90	130
	Quill	Ø _q mm	140	220	280	220	280	320	360	580	360	580	660	580	660	800
CARRIAGE	Quill adapt size		Morse 6	ISO 50*	ISO 50*	ISO 50*	ISO 50*	ISO 60*	ISO 60*	ISO 60*	ISO 60*	ISO 60*	ISO 60*	ISO 60*	ISO 60*	ISO 60*
	Stroke "X" / "Z"	mm	500 / L _{bc} + 50	675 / L _{bc} + 50	800 / L _{bc} + 100	580 / L _{bc} + 50	725 / L _{bc} + 100	900 / L _{bc} + 100	1130 / L _{bc} + 100	1350 / L _{bc} + 100	1750 / L _{bc} + 100					
	Force "X" / "Z"	F kN	10,5 / 17	13,5 / 19,5	19,5 / 29	13,5 / 19,5	19,5 / 29	28 / 35	30,5 / 60	40/75	60/100					
OTHER DATA	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					
	Center height above ground	mm	1.240	1.500	1.675	1.500	1.690	1.865	2.040	2.200	2.900					
	Machine weight approx.	W _m t	12 (4m)	15 (4m)	25 (6m)	20 (6m)	28 (6m)	42 (8m)	50 (8m)	65 (8m)	100 (8m)					
	Bed width	mm	680	875	1.090	1.075	1.350	1.650	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		

EXCELLENT PERFORMANCE



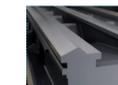
STURDY & RELIABLE. Solid bedway, headstock and tailstock on monoblock GG-30 casting, maximizing stiffness and damping parameters.



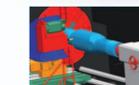
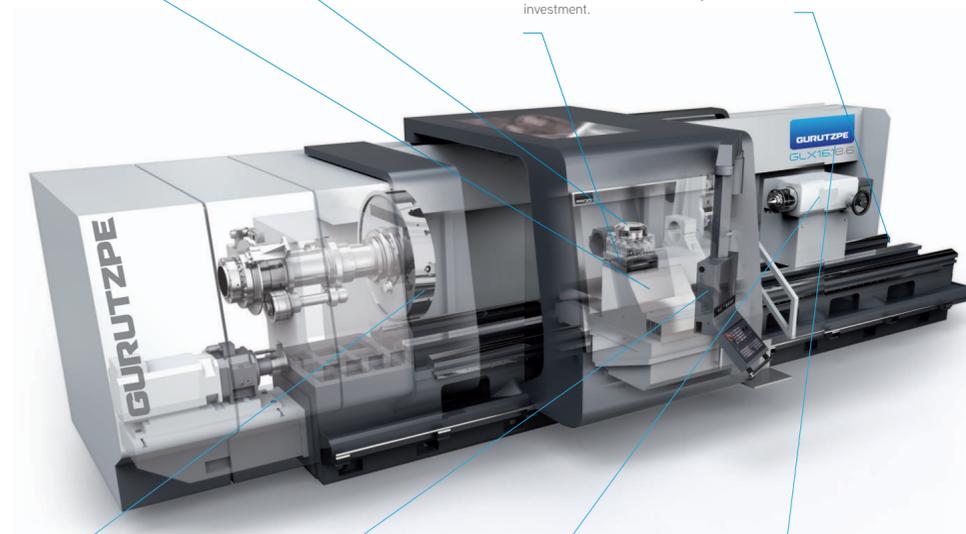
TURNING ACCURACY. Machining accuracies that exceed the usual standards required in these machines, reaching roundness of up to 10 µm and surface finish of up to 0,8 Ra. In-process tool and part measurement allows us to guarantee the most demanding targets.



MULTITASK & FAMOC. Incorporating highly-demanding turning operations and other non-traditional lathe operations in a single machine provides great versatility in certain types of parts and offers a significant improvement in productivity. The turret quick change system FAMOC, provides an easy semi-automatic solution, without major investment.



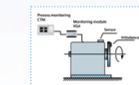
"V" GUIDING. Self centering slide guiding system between the hardened & ground cast bed, and the lubricated Biplast top. Best guiding system for turning and grinding, contrasted by the best manufacturers in the world, which GURUTZPE applies to its entire product range.



TURNING SOLUTIONS. We want to know your turning challenges at the earliest possible stage of the project, in order to share with you our experience and know-how. Going further into the design of the workpiece, proposing the optimum cutting tools and machining process, and simulating real machine dynamics. Optimized in all aspects and offering the ideal machine, YOUR HIGHEST VALUE SOLUTION. We are committed to your results.



CAM & SIMULATION. The CAD model of the workpiece shows a detailed trajectory of the tool and all movements of the machine, optimizing processes and avoiding collisions. This results in substantial increases in productivity.



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.



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.