

PRODUCT RANGE

TA/TD/TTS/TTL SERIES



Turning the world

THE POWER OF A MANUFACTURER

TA SERIES

TTS SERIES



Z400 MODEL



Z640 MODEL



Z1100 MODEL



TTS MODEL

TD SERIES

TTL SERIES



Z800 MODEL



Z1350 MODEL



TTL MODEL



Z2200 MODEL



Z3200 MODEL

AUTOMATION WITH INTEGRATED GANTRY ROBOT LOADERS FOR INCREASED PRODUCTIVITY

AUTOMATION OF SHORT AND LONG BATCH RUNS

GL20II MODEL



WORKSTOCKER FOR BILLETS (WS-280x400x14)

GL20II MODEL

GL100 MODEL

WORKSTOCKER FOR SHAFTS (WS-700)



TA SERIES

PRECISION AND RELIABILITY

TA SERIES

Z400 MODEL

TURRET WITH A BUILT-IN MOTOR WITH 12,000 rpm



Z640 MODEL

PRISMATIC GUIDE WAYS



Z1100 MODEL

INTEGRATED SPINDLES



GL20II MODEL

GANTRY ROBOTS



TECHNICAL DATA

		TA15			TA20			TA25			TA30																		
		TA15	TA15M	TA15Y	TA15S	TA15MS	TA15YS	TA20	TA20M	TA20Y	TA20S	TA20MS	TA20YS	TA25	TA25M	TA25Y	TA25S	TA25MS	TA25YS	TA30	TA30M	TA30Y	TA30S	TA30MS	TA30YS				
GENERAL DATA	Maximum diameter of swinging over bed (mm)	760			760			760			760			760			760			760			760			760			
	Maximum diameter of swinging over slides (mm)	600			600			600			600			600			600			600			600			600			
	Maximum turning diameter (mm)	460			460			460			460			460			460			460			460			460			
	Distance between spindle and tailstock centre (mm)	/400	490	-	-	473	-	-	473	-	-	449	-	-	473	-	-	449	-	-	449	-	-	689	-	-			
		/640	730	-	-	713	-	-	713	-	-	689	-	-	713	-	-	689	-	-	689	-	-	1149	-	-			
		/1100	1190	-	-	1173	-	-	1173	-	-	1149	-	-	1173	-	-	1149	-	-	1149	-	-	1149	-	-			
Distance between centre of spindles (mm)	/640	-	-	666	-	-	649	-	-	649	-	-	649	-	-	649	-	-	649	-	-	625	-	-	625				
	/1100	-	-	1126	-	-	1109	-	-	1109	-	-	1109	-	-	1109	-	-	1109	-	-	1085	-	-	1085				
Y-axis travel (mm)	-	-	+70 -50	-	-	+70 -50	-	-	+70 -50	-	-	+70 -50	-	-	+70 -50	-	-	+70 -50	-	-	+70 -50	-	-	+70 -50	-	-	+70 -50		
SPINDLE	Maximum speed (rpm)	4500			4000			4000			3500			4500			4000			4000			3500			3500			
	Maximum bar diameter	52			66			66			82			52			66			66			82			82			
	Chuck diameter	175/210			210			250/210			255/315			175/210			210			250/210			255/315			255/315			
	Chuck bore	56/52			66			66			82			56/52			66			66			82			82			
	Spindle power (kW) (max./S6 40%)	14/8			22/15			35/19			42/27			14/8			22/15			35/19			42/27			42/27			
	Turning torque (Nm)		292 (max)			366 (max)			900 (max)			1020 (max)			292 (max)			366 (max)			900 (max)			1020 (max)			1020 (max)		
			153 (S6 40%)			286 (S6 40%)			363 (S6 40%)			720 (S6 40%)			153 (S6 40%)			286 (S6 40%)			363 (S6 40%)			720 (S6 40%)			720 (S6 40%)		
TURRET	Number of positions	12			15			12			15			12			15			12			15			12			
	Turning speed (rpm)	12000			12000			12000			12000			12000			12000			12000			12000			12000			
	Power (kW) (max./S1)	11,3/8,1			11,3/8,1			11,3/8,1			11,3/8,1			11,3/8,1			11,3/8,1			11,3/8,1			11,3/8,1			11,3/8,1			
	Maximum torque (Nm)	75			75			75			75			75			75			75			75			75			
WEIGHT	Total weight (kg)	/400	6600 (*)	-	6800 (*)	-	6800 (*)	-	7000 (*)	-	7000 (*)	-	7000 (*)	-	7000 (*)	-	7000 (*)	-	7000 (*)	-	7000 (*)	-	7000 (*)	-	7000 (*)				
		/640	7000 (*)	7400 (*)	7100 (*)	7500 (*)	7100 (*)	7500 (*)	7100 (*)	7500 (*)	7300 (*)	7800 (*)	7800 (*)	7000 (*)	7400 (*)	7100 (*)	7500 (*)	7100 (*)	7500 (*)	7300 (*)	7800 (*)	7800 (*)	7000 (*)	7400 (*)	7100 (*)	7500 (*)			
		/1100	7800 (*)	8200 (*)	7900 (*)	8300 (*)	7900 (*)	8300 (*)	8000 (*)	8700 (*)	8700 (*)	7800 (*)	8200 (*)	7800 (*)	8200 (*)	7900 (*)	8300 (*)	7900 (*)	8300 (*)	8000 (*)	8700 (*)	8700 (*)	7800 (*)	8200 (*)	7900 (*)	8300 (*)			

(*) Approximate weights. Due to constant development of our products all specifications given here in are subject to change without notice.

TD SERIES

HIGH PERFORMANCE

TD SERIES



Z800 MODEL

OIL-COOLED
BALLSCREW NUTS



Z1350 MODEL

LASER COMPENSATION
ON ALL AXIS



GL200II MODEL

MAXIMUM PAYLOAD
20 KG (2 x 10 KG)



GL100 MODEL

MAXIMUM PAYLOAD
100 KG (2 x 50 KG)

TECHNICAL DATA

		TD15		TD20		TD25		TD30		TD35		TD45		TD55																																	
		TD15	TD15M	TD15Y	TD15S	TD15MS	TD15YS	TD20	TD20M	TD20Y	TD20S	TD20MS	TD20YS	TD25	TD25M	TD25Y	TD25S	TD25MS	TD25YS	TD30	TD30M	TD30Y	TD30S	TD30MS	TD30YS	TD35	TD35M	TD35Y	TD35S	TD35MS	TD35YS	TD45	TD45M	TD45Y	TD45S	TD45MS	TD45YS	TD55	TD55M	TD55Y	TD55S	TD55MS	TD55YS				
GENERAL DATA	Maximum diameter of swinging over bed (mm)	950																																													
	Maximum turning diameter (mm)	550																																													
GENERAL DATA	Distance between spindle and tailstock centre (mm)	/800	915	-	898	-	898	-	874	-	850	-	850	-	848	-																															
	Distance between centre of spindles (mm)	/1350	1465	-	1448	-	1448	-	1424	-	1400	-	1400	-	1398	-																															
GENERAL DATA	Distance between centre of spindles (mm)	-	826	-	792	-	792	-	768	-	760	-	744	-	742	-																															
	Y-axis travel (mm)	-	+80 -60	-	+80 -60	-	+80 -60	-	+80 -60	-	+80 -60	-	+80 -60	-	+80 -60	-	+80 -60	-	+80 -60	-	+80 -60	-	+80 -60	-	+80 -60	-	+80 -60	-	+80 -60	-	+80 -60	-	+80 -60	-	+80 -60	-	+80 -60	-	+80 -60	-	+80 -60	-	+80 -60	-			
SPINDLE	Maximum speed (rpm)	4500		4000		4000		3500		3000		2200		1600																																	
	Maximum bar diameter	52		66		66		82		95		127		180 (192)																																	
	Chuck diameter	175/210		210		250/210		255/315		315		315/400		500																																	
	Spindle power (kW) (max./S6 40%)	14/8		22/15		35/19		42/27		48 (S3 25%) /39 (S1)		51 (S3 25%) /39 (S1)		51 (S3 25%) /39 (S1)																																	
	Turning torque (Nm)	292 (max)		366 (max)		900 (max)		1020 (max)		1500 (max)		3600 (max)		3600 (max)																																	
TURRET	Number of driven tools	-	16 [12]	-	16 [12]	-	16 [12]	-	16 [12]	-	16 [12]	-	16 [12]	-	16 [12]	-	16 [12]	-	16 [12]	-	16 [12]	-	16 [12]	-	16 [12]	-	16 [12]	-	16 [12]	-	16 [12]	-	16 [12]	-	16 [12]	-	16 [12]	-	16 [12]	-	16 [12]	-	16 [12]	-	16 [12]	-	
	Turning speed (rpm)	-	12000	-	12000	-	12000	-	12000	-	12000	-	12000	-	12000	-	12000	-	12000	-	12000	-	12000	-	12000	-	12000	-	12000	-	12000	-	12000	-	12000	-	12000	-	12000	-	12000	-	12000	-	12000	-	
	Power (kW) (max./S1)	-	13.7/11	-	13.7/11	-	13.7/11	-	13.7/11	-	13.7/11	-	13.7/11	-	13.7/11	-	13.7/11	-	13.7/11	-	13.7/11	-	13.7/11	-	13.7/11	-	13.7/11	-	13.7/11	-	13.7/11	-	13.7/11	-	13.7/11	-	13.7/11	-	13.7/11	-	13.7/11	-	13.7/11	-	13.7/11	-	
WEIGHT	Maximum torque (Nm)	-	105	-	105	-	105	-	105	-	105	-	105	-	105	-	105	-	105	-	105	-	105	-	105	-	105	-	105	-	105	-	105	-	105	-	105	-	105	-	105	-	105	-			
	Total weight (kg)	/800	8300(*)	8700(*)	8500(*)	8900(*)	8500(*)	8900(*)	8700(*)	9100(*)	9200(*)	9600(*)	9700(*)	10100(*)	9700(*)	10100(*)																															
	/1350	9500(*)	-	9700(*)	-	9700(*)	-	9900(*)	-	9900(*)	-	10400(*)	-	10900(*)	-	10900(*)	-	10900(*)	-	10900(*)	-	10900(*)	-	10900(*)	-	10900(*)	-	10900(*)	-	10900(*)	-	10900(*)	-	10900(*)	-	10900(*)	-	10900(*)	-	10900(*)	-	10900(*)	-	10900(*)	-		

(*) Approximate weights.

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TD SERIES

**BIG DOES
NOT MEAN
SLOW**

TD SERIES

Z2200 MODEL

GOODBYE TO OBSOLETE SPINDLES
WITH REDUCTION GEARBOXES



Z3200 MODEL

INTEGRATED SPINDLES WITH
HIGH POWER AND TORQUE



12,000 rpm / 105 Nm / 13kW

		TD15			TD20			TD25			TD30			TD35			TD45			TD55		
		TD15	TD15M	TD15Y	TD20	TD20M	TD20Y	TD25	TD25M	TD25Y	TD30	TD30M	TD30Y	TD35	TD35M	TD35Y	TD45	TD45M	TD45Y	TD55	TD55M	TD55Y
GENERAL DATA	Maximum diameter of swinging over bed (mm)	950																				
	Maximum turning diameter (mm)	550																				
	Distance between spindle an tailstock centre (mm)	/2200 3315			2298 3298			2298 3298			2274 3274			2250 3250			2250 3250			2248 3248		
Distance between centre of spindles (mm)		-																				
Y-axis travel (mm)		-	-	+80 -60	-	-	+80 -60	-	-	+80 -60	-	-	+80 -60	-	-	+80 -60	-	-	+80 -60	-	-	+80 -60
SPINDLE	Maximum speed (rpm)	4500			4000			4000			3500			3000			2200			1600		
	Maximum bar diameter	52			66			66			82			95			127			180		
	Chuck diameter	175/210			210			250/210			255/315			315/400			315/400			500		
	Spindle power (kW) (max./S6 40%)	14/8			22/15			35/19			42/27			48 (S3 25%) /39 (S1)			51 (S3 25%) /39 (S1)			51 (S3 25%) /39 (S1)		
	Turning torque (Nm)	292 (max)			366 (max)			900 (max)			1020 (max)			1500 (max)			3600 (max)			3600 (max)		
TURRET	Number of driven tools	-	16 [12]		-	16 [12]		-	16 [12]		-	16 [12]		-	12 [16]		-	12 [16]		-	12 [16]	
	Turning speed (rpm)	-	12000		-	12000		-	12000		-	12000		-	12000		-	12000		-	12000	
	Power (kW) (max./S1)	-	13,7/11		-	13,7/11		-	13,7/11		-	13,7/11		-	13,7/11		-	13,7/11		-	13,7/11	
	Maximum torque (Nm)	-	105		-	105		-	105		-	105		-	105		-	105		-	105	
WEIGHT	Total weight (kg)	/2200																				
		11200(*)			11400(*)			11400(*)			11600(*)			12100(*)			12600(*)			12600(*)		
	/3200																					
	13000(*)			13200(*)			13200(*)			13400(*)			13900(*)			14400(*)			14400(*)			

(*) Approximate weights.

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TTS SERIES

MULTI-TURRET MACHINES FOR PRECISION MATERIAL REMOVAL FROM BAR

TTS SERIES

TTS 38 / TTS 46 / TTS 52 / TTS 66 MODEL



MACHINE WITHOUT BELTS

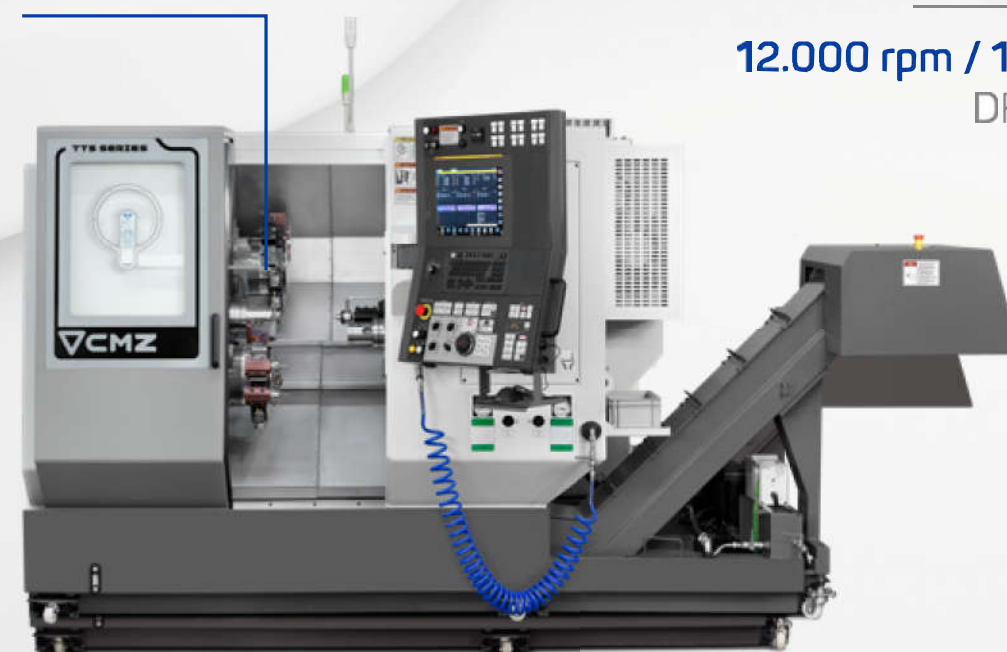
SYNCHRONOUS SPINDLES

2 TURRETS
3 PROGRAMMING CHANNELS
(Superimposed machining)

SUBSPINDLE WITH MOVEMENTS IN X2 & Z2

MODEL ALSO AVAILABLE WITH ONE TURRET

12.000 rpm / 13kW / 26,8 Nm
DRIVEN TOOLING



TECHNICAL DATA

	TTS-38	TTS-46	TTS-52	TTS-66	
GENERAL DATA	Maximum turning diameter (mm)	120	120	120	120
	Distance between centre of spindles (mm)	600	600	638	638
LEFT SPINDLE	Maximum speed (rpm)	6000	5000	4500	4000
	Spindle nose	ASA 5"A2	ASA 5"A2	ASA 6"A2	ASA 6"A2
	Maximum bar diameter	38	46	52	66
	Chuck diameter	140	165	175/210	210
	Spindle power (kW) (S2 30min/S1)	17,2 / 12 / 8	17,2 / 12 / 8	17,2 / 12 / 8	17,2 / 12 / 8
	Turning torque (Nm) (S2 30min/S1)	66,1 / 57,5 / 46	66,1 / 57,5 / 46	66,1 / 57,5 / 46	66,1 / 57,5 / 46
RIGHT SPINDLE	Maximum speed (rpm)	6000	5000	4500	4000
	Spindle nose	ASA 5"A2	ASA 5"A2	ASA 6"A2	ASA 6"A2
	Maximum bar diameter	38	46	52	66
	Chuck diameter	140	165	175/210	210
	Spindle power (kW) (S2 30min/S1)	17,2 / 12 / 8	17,2 / 12 / 8	17,2 / 12 / 8	17,2 / 12 / 8
	Turning torque (Nm) (S2 30min/S1)	66,1 / 57,5 / 46	66,1 / 57,5 / 46	66,1 / 57,5 / 46	66,1 / 57,5 / 46
TURRETS	Number of positions	12	12	12	12
	Number of index positions	24	24	24	24
	Maximum turning speed (rpm)	12000	12000	12000	12000
	Maximum power (kW)	13,2 / 10	13,2 / 10	13,2 / 10	13,2 / 10
WEIGHT	Maximum torque (Nm)	26,8 / 19,1	26,8 / 19,1	26,8 / 19,1	26,8 / 19,1
	Total weight (kg)	6600 (*)	6600 (*)	6800 (*)	6900 (*)

(*) Approximate weights.

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TTL SERIES

**MULTI-TURRET
MACHINES
DESIGNED FOR
HIGH PRODUCTION**

TECHNICAL DATA

	TTL-52-52			TTL-52-66			TTL-66-52			TTL-66-52		
	T1-T2	T1M-T2M	T1Y-T2Y	T1-T2	T1M-T2M	T1Y-T2Y	T1-T2	T1M-T2M	T1Y-T2Y	T1-T2	T1M-T2M	T1Y-T2Y
GENERAL DATA												
Maximum turning diameter (mm)	220			220			220			220		
Distance between spindle nose and tailstock centre (mm)	614			614			614			614		
Distance between centres (mm)	800			800			800			800		
SPINDLE												
Maximum speed (rpm)	4500			4500			4000			4000		
Spindle nose	ASA 6" A2			ASA 6" A2			ASA 6" A2			ASA 6" A2		
Chuck diameter (mm)	175 / 210			175 / 210			210			210		
Maximum bar diameter (mm)	52			52			66			66		
Spindle power (kW) (max./S2 25%/ S1)	35,5 / 28,3 / 23,5			35,5 / 28,3 / 23,5			35,5 / 28,3 / 23,5			35,5 / 28,3 / 23,5		
Turning torque (Nm) (max./S3 25%/ S1)	205 / 180 / 150			205 / 180 / 150			205 / 180 / 150			205 / 180 / 150		
TURRET												
Number of positions	12			12			12			12		
Number of index positions	24			24			24			24		
DRIVEN TOOLS												
Turning speed (rpm)	-	12000		-	12000		-	12000		-	12000	
Power (kW) (max./S1)	-	14 / 10		-	14 / 10		-	14 / 10		-	14 / 10	
Maximum torque (Nm) (max./S1)	-	42 / 32		-	42 / 32		-	42 / 32		-	42 / 32	
WEIGHT												
Total weight (kg)	11000			11000			11000			11000		

(*) Approximate weights.

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TTL SERIES

TTL 52 / TTL 66 MODEL

MACHINE WITHOUT BELTS

2 TURRETS
3 TOOLS

12,000 rpm / 14 kW / 42 Nm



TTL-GL20II MODEL

GANTRY ROBOTS
FOR BILLETS
AND SHAFTS



CMZ, THE POWER OF A MANUFACTURER

CMZ has been manufacturing machine tools for more than **75 years**. Being part of an ever-changing sector has forced us to reinvent ourselves, renew and improve our production processes.

We continuously strive to produce the best CNC lathes we can. Built with a focus on precision and performance at a competitive price, we produce strong, reliable machines that offer longevity and continued machining accuracy. **Practically all of our parts are produced at the various manufacturing plants within our group.** This has helped us to acquire a very broad and professional vision of the product.

Together with more than **500 people** and **40,000 square metres** of facilities, we deliver almost **5 machines per day** to customers throughout the world.

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CMZ HEADQUARTERS



CENTRAL SERVICES | TECHNICAL ASSISTANCE SERVICE
Zaldibar – Spain

CMZ Germany



COMMERCIAL OFFICE | TECHNICAL ASSISTANCE SERVICE
Stuttgart – Germany

CMZ France



COMMERCIAL OFFICE | TECHNICAL ASSISTANCE SERVICE | SHOWROOM
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CMZ Italy



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Rugby – United Kingdom

CMZ Denmark



COMMERCIAL OFFICE | TECHNICAL ASSISTANCE SERVICE | SHOWROOM
Denmark

+ European official distributors:
Netherlands, Norway, Finland, Denmark, Czech Republic, Poland
Austria, Switzerland, Portugal, Slovenia, Sweden, Turkey, USA.

MANUFACTURING PLANTS

CMZ ASSEMBLY PLANT 1



CNC lathes Assembly plant
5,500 m2 | Zaldibar – Spain

CMZ ASSEMBLY PLANT 2 | SEUNER



CNC lathes Assembly plant
10,000 m2 | Mallabia – Spain

CAFISUR



Sheet metal plant
15,000 m2 | Cádiz – Spain

NEOPREC



New machining plant
10,000 m2 | Mallabia – Spain

MECANINOR



Machining plant
4,900 m2 | Elorrio – Spain

PRECITOR



Machining plant
2,000 m2 | Elorrio – Spain

MEYDI



Assembly plant for electrical cabinets
1,250 m2 | Zaldibar – Spain

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