

**Description**

Mono-block, welded steel frame with high rigidity  
 Modular table in cast iron with four T 20 slots  
 8,4" colour touch screen control  
 The movement of the machine is given by linear guide-ways along all axes and driven by servo-motors (programmable)  
 Spindle turning driven by servo-motor (programmable)  
 Spindle BT40 with automatic clamping  
 Electrical panel with cooling system; meets CE standards  
 External coolant system: pump and tank  
 Chip conveyer  
 Self-lubricating moving parts along all axes  
 Water Protection Screen  
 Automatic tool calibrator  
 RJ45 fast connection mounted on frame

**Control**

OMRON colour touch screen control  
 Memory up to 999 programs  
 Programming of coordinates through 3 different menus:
 

- Single hole (random pattern)
- Grid of holes (single or multiple lines)
- Flange

 50 programmable zero-points  
 3 axes controlled (X,Y,Z)  
 Depth (Z): is possible to program different speed  
 Programming sequences of work:
 

- Plates drilling cycle
- Profiles drilling cycle
- Thermal drilling cycle
- Tapping cycle
- Small milling cycle (linear and interpolated X/Y)
- Countersink cycle

 Programming sequences of work with auto run, up to 50 programmable lines  
 Programming ISO standard



DATASHEET	TRD32 CN / TRD38 CN / TRD42 CN						GRD50 CNZ						
	3012	4512	6012	3017	4517	6017	3012	4512	6012	3017	4517	6017	
Capacity steel ST60	Ø 32mm / Ø 38mm / Ø 42mm						Ø 50 mm						
Capacity Cast iron	Ø 32mm / Ø 38mm / Ø 42mm						Ø 50 mm						
Tapping steel ST60	M20 / M24 / M27						M30						
Tapping Cast iron	M20 / M24 / M27						M30						
Spindle servomotor	8,9 Kw						8,9 Kw						
Relation motor/axle spindle	2 : 1 / 2,5 : 1 / 3 : 1						ZF Gear box with two speed ranges 6 : 1 / 3 : 2						
Speeds	50 - 3000 rpm / 50 -2400rpm / 50 - 2000rpm						50 - 1000 rpm / 1000 - 4000 rpm						
Feeds	Adjustable mm/r						Adjustable mm/r						
Spindle taper	BT40						BT40						
Distance spindle / table (A)	160 / 660						160 / 660						
Column travel (Z)	500						500						
Lateral movement travel (X)	3000	4500	6000	3000	4500	6000	3000	4500	6000	3000	4500	6000	
Frontal movement travel (Y)	1200			1750			1200			1750			
Table size standard (A+B)	3000x1200	4500x1200	6000x1200	3000x1750	4500x1750	6000x1750	3000x1200	4500x1200	6000x1200	3000x1750	4500x1750	6000x1750	
Table height (D)	950						950						
Max. Speed movement X	22 m/min						22 m/min						
Max. Speed movement Y	12 m/min						12 m/min						
Max. Speed movement Z	4,2 m/min						4,2 m/min						
Weight	Kg	3500	5000	6500	6900	8150	9000	3500	5000	6500	6900	8150	9000
Dimension (E+F+G)	cm	410x180x240	560x180x240	710x180x240	410x240x240	560x240x240	710x240x240	410x180x240	560x180x240	710x180x240	410x240x240	560x240x240	710x240x240

