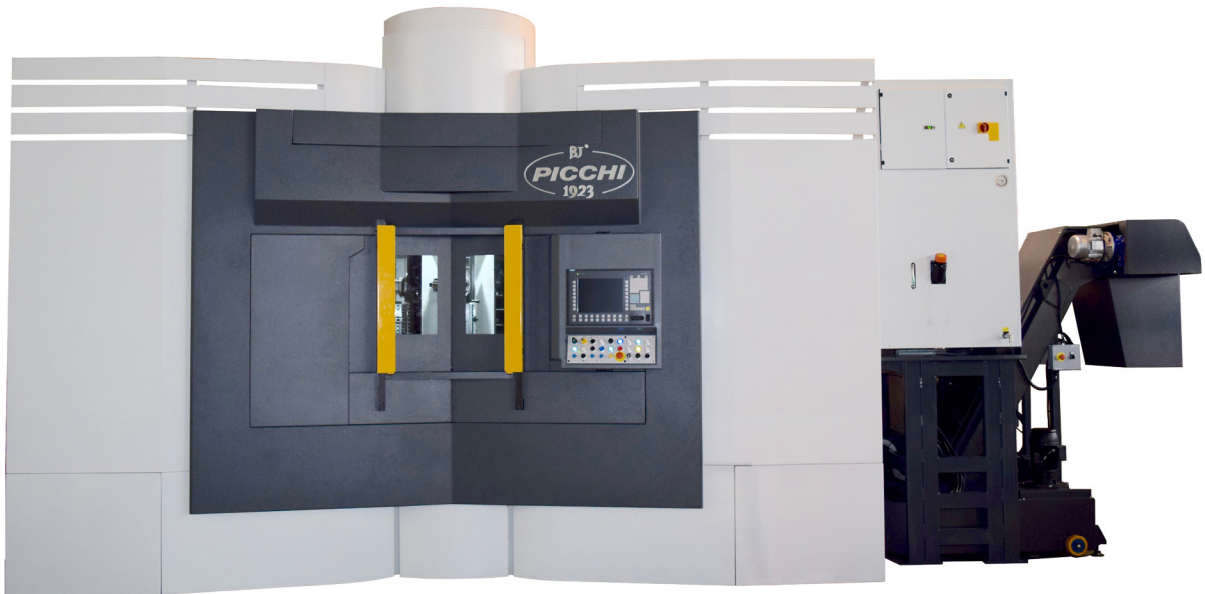


CHRONO

MULTISPINDLE MACHINING CENTER

HIGH PRODUCTIVITY AND FLEXIBILITY
OUR SYNTHESIS



- *Multistation Machining Center with 3 or 4 Machining Centers connected each other by 4 or 5 stations driven by Torque Motors. One station is available for loading and unloading operations in hidden time.*
- *The specifications range of the offered spindles and the analysis of the working conditions, allow the customer to choose the best solution to optimize the machinability of customer materials.*
- *Dynamics: linear axis, with speed of 60 m/1' and optimized dynamics of rotating axis*
- *Tools stock capacity, with standard solutions, from 54 up to 90 tools. Possible to add external tools stocks simultaneously working with the machining center.*
- *High Pressure Coolant through the spindle, till 80 Bar.*
- *Coolant Differential Thermoregulation Plant that guarantees dimensional stability and max precisions.*
- *Devices, equipment and machine accessibility studied to speed up batches change phases (set-up).*
- *'User Friendly' Picchi Interface Software projected to make simple and easy the machine uses.*



CHRONO

MULTISPINDLE MACHINING CENTER

PERFORMANCES FOR HIGH PRODUCTIVITY

GENERAL TECHNICAL SPECIFICATIONS		
Number of Machining Centres	N°	3 - 4
Number of workpiece Table "B" Axes	N°	4 - 5
Workpiece maximum overall dimensions Diameter x Height	mm	480 x 400
Workpiece loading		Manual / Automatic
MACHINING CENTRE		
Axes stroke X -Y- Z	mm	450 - 400 - 300
Axes rapid speed X -Y- Z	m/1'	30 (60)
AVAILABLE SPINDLE		
Spindle attachment		HSK 63 A
Max Speed - Max Torque (S6 - 40%) - Max Power (S6 - 40%)	rpm - Nm - Kw	8000 - 76 - 12
Max Speed - Max Torque (S6 - 40%) - Max Power (S6 - 40%)	rpm - Nm - Kw	10.000 - 51 - 12
Max Speed - Max Torque (S6 - 40%) - Max Power (S6 - 40%)	rpm - Nm - Kw	12.000 - 51 - 12
TOOL MAGAZINE		
Number of tools available min. - max for each Machining Center	N°	18 - 24 - 30
Max Tool Diameter (all occupied workstations)	mm	115 - 95
Max Tool Diameter (workstation next to the free one)	mm	150 - 140
Max Tool Length	mm	290
Max Tool Weigth	Kg	6
Tool Change Time	sec	1,5
MAIN TABLE		
Hirth crown clamping with precision	Arcsec	+ / - 3"
WORKPIECE TABLE "B" AXIS		
Workpiece Table Diameter	mm	350
Rotation by means of a Torque Motor with max speed revolution	rpm	140
Positioning Precision	Arcsec	5"
Minimum resolution of the axis	G°	0,001
Max load weight	Kg	200
Electrospindle for turning operations	g/1'	6000
NUMERICAL CONTROL		
Sinumerik		840D SL
Dedicated Safety Software		Integrated "Safety" Function
OTHER DATA		
Overall installed Power approx. 3 MC - 4 MC	Kw	85 / 110
Overall weight approx. 3 MC - 4 MC	Kg	25200/ 35200



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