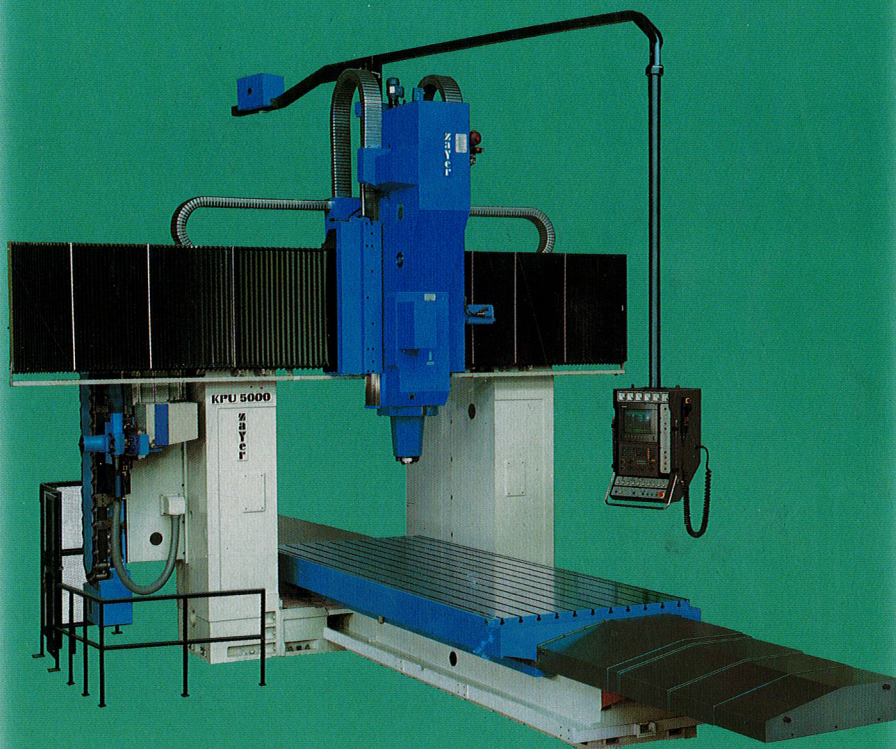


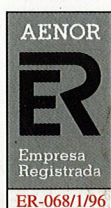
2000



CNC milling machines and machining centers



Bridge type



◆ Specifications

MODELS		KP 3.000 - 5.000	KPU 3.000 - 5.000
Table surface	mm.	3.000-5.000 x 1.500-1.800	3.000 - 5.000 x 1.500-1.800
Number, size and distance between T-slots		9-11 x 22 x 160	9-11 x 22 x 160
Width between columns	mm.	2.300	2.300
Longitudinal traverse	mm.	2.700-4.700	2.700 - 4.700
Cross traverse	mm.	3.050	3.050
Vertical traverse	mm.	1.100	1.100
Min.-max. height from spindle nose to table	mm.	100 - 1.200	100 - 1.200
Variable speed with A.C. motor	min. ⁻¹	35 - 3.000	35 - 3.000
Spindle taper	ISO	50	50
Variable feeds with A.C. motors	mm./min.	6 - 5.000	6 - 5.000
Rapid feed	mm./min.	15.000	15.000
Main spindle motor power	kW	37	37
Positioning and repeatability accuracy	mm.	±0,010/4.000; ±0,005	±0,010/4.000; ±0,005
Tools magazine, changing time, max. weight		-	30 / 10" / 25 kg.
Allowed weight on the table	kg.	10.000	10.000
Net weight aprox.	kg.	33.000-39.000	34.000 - 40.000

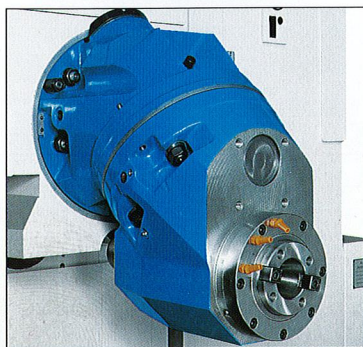
◆ Standard

- Centralized control panel.
- CNC numerical control.
- Electronic handwheel for manual movements.
- Ball screws.
- Hydraulic compensation in vertical traverse.
- Roller packs for the movement of carriages.
- Inserted hardened and ground steel guideways.
- Hydromechanical tool clamping.
- Hydraulic unit.
- Automatic lubrication.
- Electrical-electronic cabinet.
- Automatic tool changer as per MAS 403 BT-50 standards (KPU - FPU - FMU - GMU).
- Magazine of 30 tools (KPU - FPU - FMU - GMU).
- Automatic chip conveyor (GM - GMU).

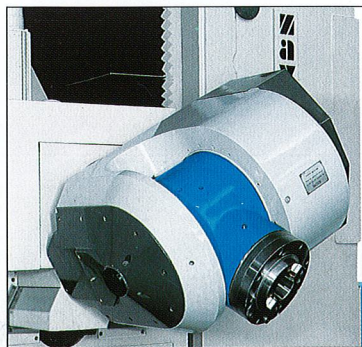
◆ Extra

- Magazine of 40, 60, 80, 100, 120 tools (KPU - FPU - FMU - GMU).
- Automatic swarf conveyor. (KP - KPU - FP - FPU - FM - FMU).
- Cooling equipment (FP - FPU - FM - FMU - GM - GMU).
- Variable speed range 35 - 6.000 min.⁻¹.
- Special longitudinal traverse (FP - FPU - FM - FMU).
- Special vertical traverse (FP - FPU - FM - FMU).
- Automatic rotation at the back part of the head "C" axis.
- Manual or automatic indexing working heads.
- "T" type head.
- "L" type head.
- Digitizing.
- Two tables to work combined together or independently (FP - FPU - FM - FMU).
- Special distance between spindle and table (FP - FPU - FM - FMU).
- Coolant system for the hydraulic unit, for work shops with ambient temperature higher than 35°C.
- High speed heads.
- Special feeds.
- Other special executions.

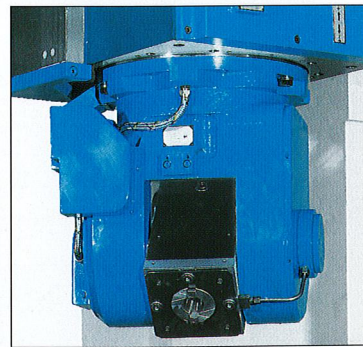
◆ Accessories



Universal head. Axis to 90° and 45°. Manual, semiautomatic or automatic.

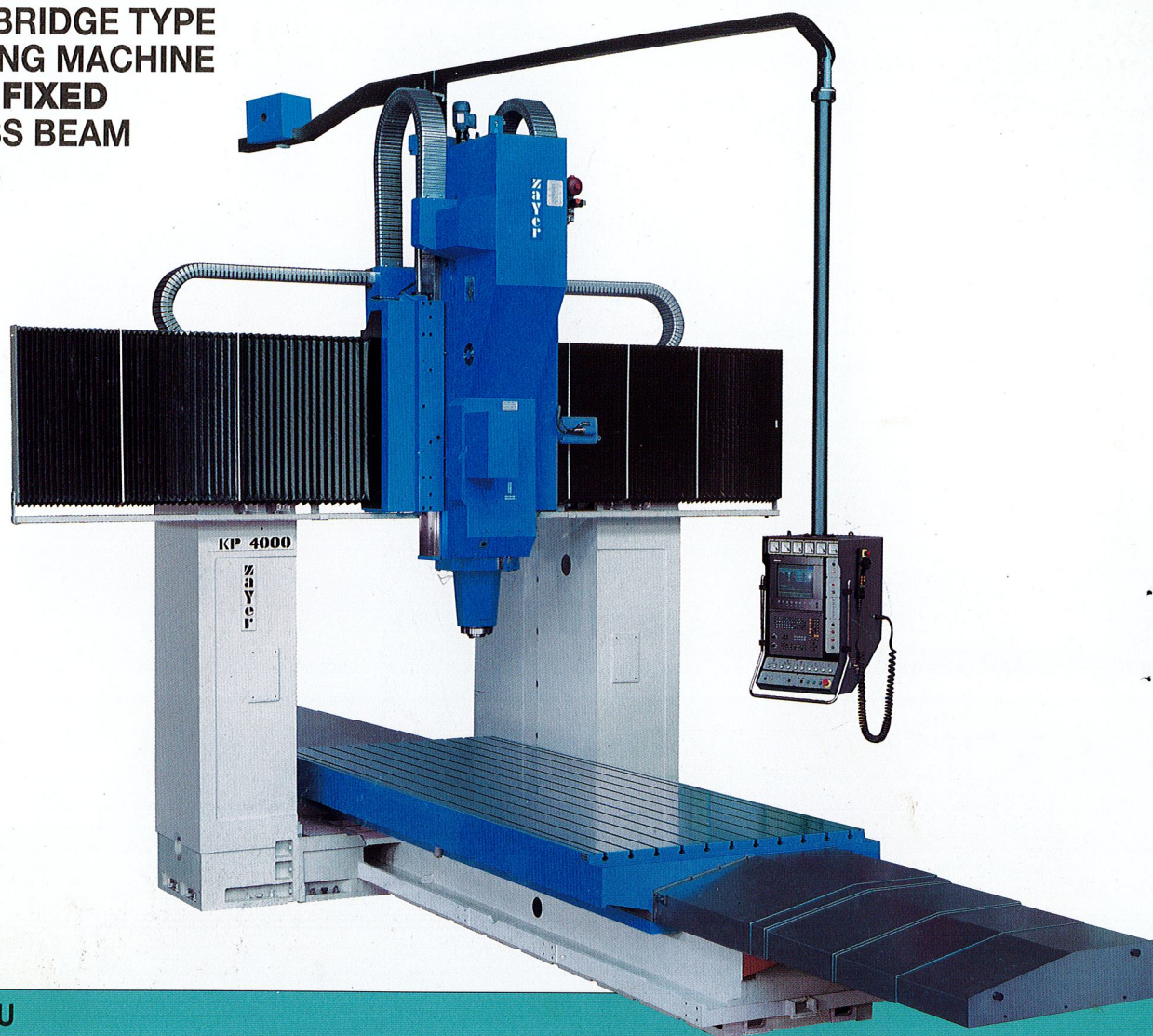


Automatic universal head. "Twist". Perpendicular axis.

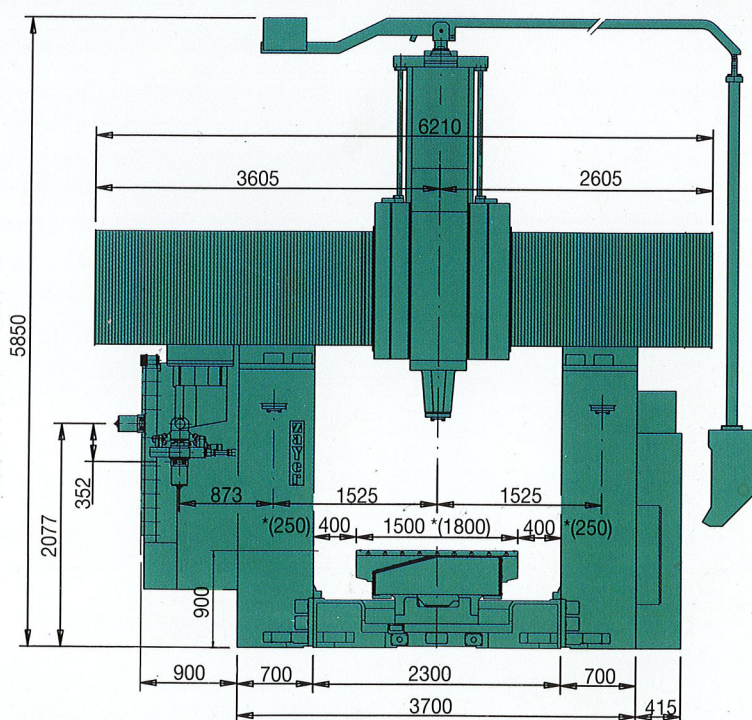


Automatic universal head. "Twist". High speed.

CNC BRIDGE TYPE MILLING MACHINE WITH FIXED CROSS BEAM KP



KP-KPU



*() Optional