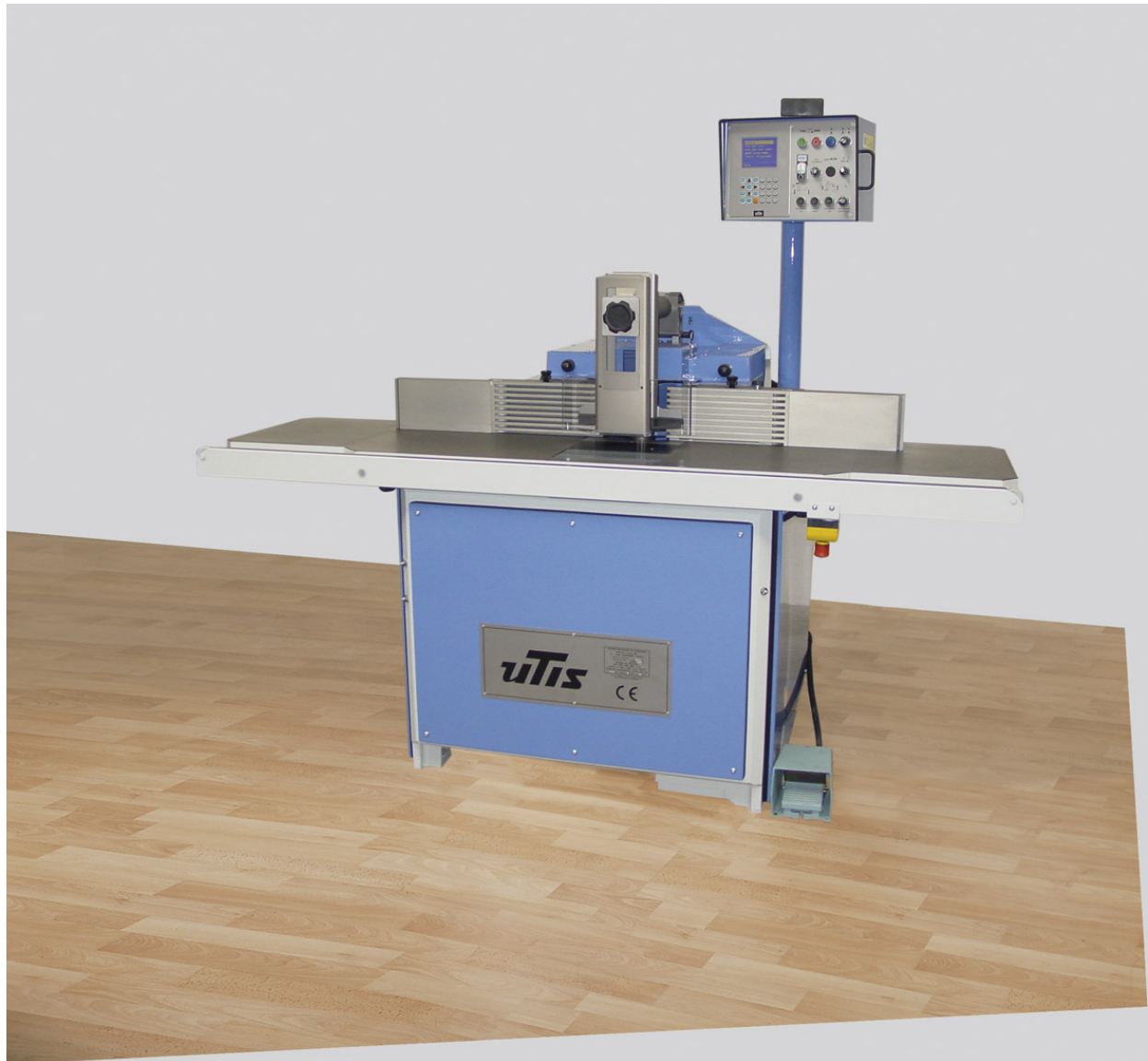


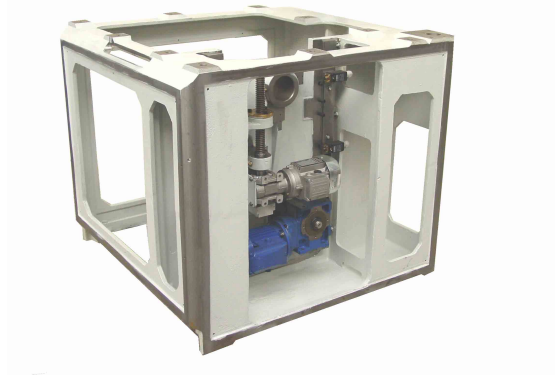


## ***TILTABLE SPINDLE MOULDER***



TS CSN PRO

***MONOBLOC CAST IRON FRAME*** with large table supports.

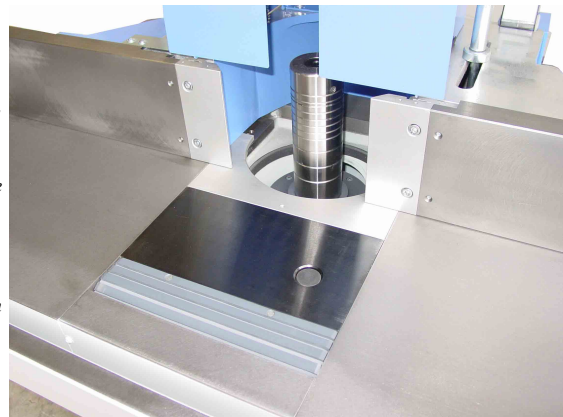


### SPINDLE

- Interchangeable spindle MK5 with supply of a spindle  $\varnothing$  50mm, 40mm, 30mm or 1 1/4" with rings,
  - Interchangeable spindle HSK-F80 with hydraulic or manual unlocking. (option)
- Special high speed bearings, centralized grease lubrication system in front of the machine.  
Electro-magnetical spindle locking. Lower chip ejector  $\varnothing$  160mm.

### CAST IRON TABLES in two parts

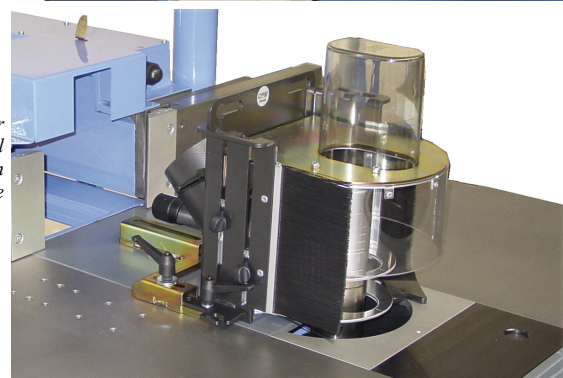
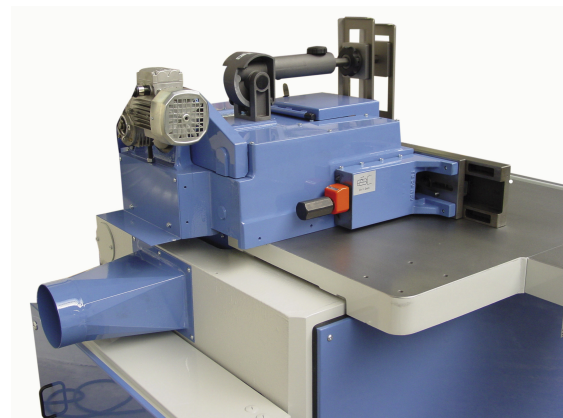
Dimensions 1m34 x 0m92. Table extensions (cast iron) length 2m15. Front extension bar with linear bearings. Steel and aluminium plates instead of table rings



### FENCE

- Motorized fence (cast iron) : Stroke 320mm, linear bearings and two screws for adjustment by geared motor. Manual push-button control with electronic digital display and encoder or programmed control with memories. Outfeed fence plate with fine screw-adjustment and mechanical counter. Safety fence plates with interchangeable splinterproof and rulers. Fence guard.
- Aigner fence plates on option

Lifting device to move the motorized fence behind the table + ring-fence



**CONTROL PANEL**

Each model is fitted with an upper electrical control panel within operators reach.

CSN-VISU : Electronic digital displays of spindle travel, spindle tilt and fence travel.  
Manual push-button control with fast and low speed for fine adjustment.

CSN-PROG : 3 axis position controller.

1° axis : Rise and fall, 2° axis : Spindle tilt, 3° axis : Fence travel.

Programmed axes control, single operation or manual control in absolute or incremental mode.

Option :

- Spindle speed controller with memories,
- Recognition device for spindle number.
- Electric support for automatic feed
- Horizontal spindle motor

**MOTOR**

CSN-VISU +30°/-45° : 2 speed-motor 5.5-7,5 kW/400 Volts 50Hz, with brake - 4 spindle speeds : 3000-4500-6000 and 9000 rpm. High and low speed contactors, magneto-thermal circuit breakers.

CSN-PRO :

- MODEL +30°/-45° or +/-45,5° : 2 speed Motor 5.5-7.5 kW/400 Volts with brake, 4 spindle-speeds : 3000-6000 and 4500-9000 rpm

Option : motor 7.5 kW/400 Volts and inverter for variable spindle speed from 1500 rpm to 9000 rpm.  
Automatic brake.

- MODEL +45°/-22,5° : 2 motors 7,5-10 HP/400 Volts 50Hz for 4 spindle speeds without any change of belts : 3000-6000 and 4500-9000rpm. Automatic brake,

**Technical characteristics**

- Table dimensions	1340 x 920 mm
- Option	2150 x 920 mm
- Table height	920 mm
- Distance from the spindle to the front of the machine	480 mm
- Distance from the spindle to the front extension bar (max.)	940 mm
- Spindle speeds	3000-4500-6000-9000 tr / mn
- Option	1500 to 9000 tr / mn
- Spindle	
- interchangeable MK5	Ø50, 40, 30 mm or 1 1/4"
- Stroke (Standard spindle)	170 mm
- Tools diameter	max. 220 mm
- Motor :	5.5-7,5 kW / 400 Volts
- Weight	1300 to 1450 kg
- Overall dimensions L x l x h (mm)	1340 x 1430 x 1320
- Control panel h=1740	2150 x 1430 x 1320

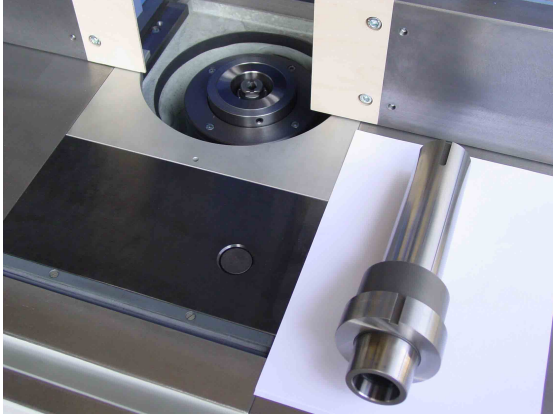
CE Examination Certificat n° 0070 070A 5030 11 94

Sound Emission (ISO 7960 B) :

Continuous equivalent level of acoustical pressure at the work station :

- L Aeq : 83,1 dB (A),
- Lpc < 130 dB.

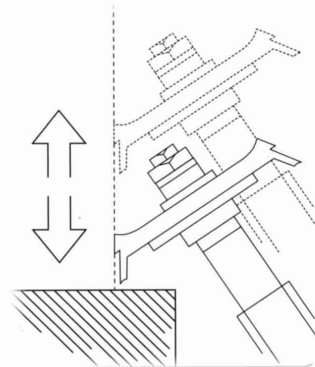
*Specifications and illustrations : the right of modifications without notice is reserved.*



Hydraulic spindle unlocking with spindle HSK-F80

**Advantages of spindle tilt backwards :**

- Optimum protection : the workpiece covers the tool,
  - Possibility to mould any sizes of workpieces
  - Use of automatic feed unit without problems
  - Perfect dust and chip collection



Vertical adjustment for spindle rise and fall



CSN VISU