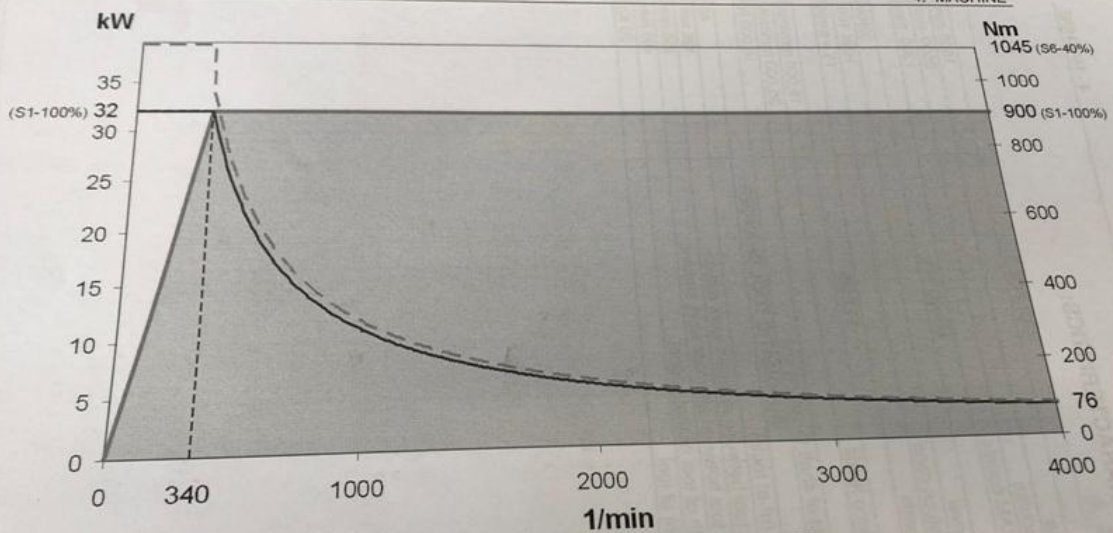


**4.1. MAIN CHARACTERISTICS:**

<b>COURSES</b>		
Vertical course		1600 mm
Longitudinal course		8500 mm
Transversal RAM course		1300 mm
<b>MANDREL</b>		
Motor power level		32Kw
Mandrel headstock cone		HSK 100
Number of speeds		15 ÷ r/min
<b>FEEDS</b>		
Maximum working feeds		15,000 mm/min
Fast feeds		35,000 mm/min
Maximum thrust of shaft to cutting unit		16.000 N
<b>AUTOMATIC TOOL CHANGER</b>		
Store capacity (n° of tools)		40
Maximum Ø of tool between adjacent work stations		125 mm
Maximum Ø of tool between alternate work stations		250 mm
Maximum length of tool (without cone)		400 mm
Maximum weight of tool		20 Kg

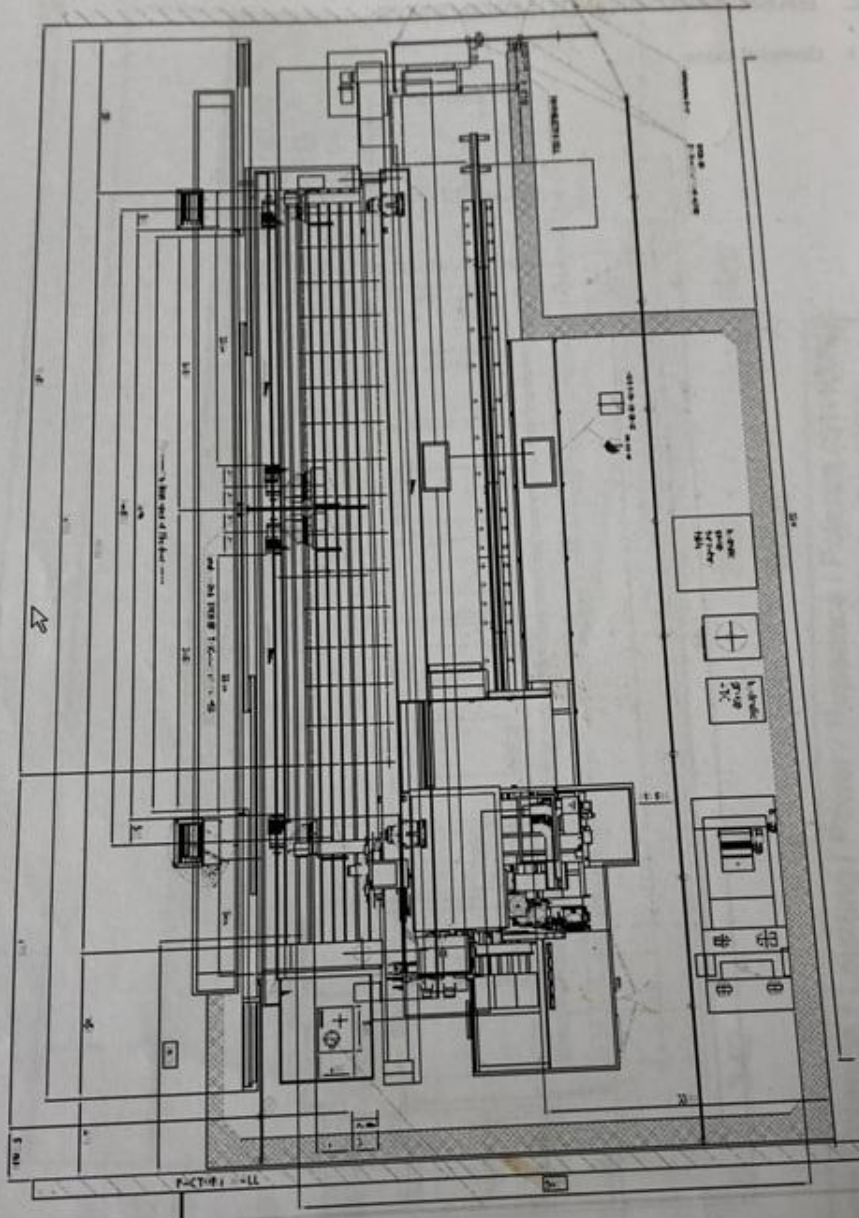


— Potencia / Leistung / Power / Puissance / Potenza (S1-100%)  
 — Par / Drehmoment / Torque / Couple / Coppia (S1-100%)  
 - - - Par / Drehmoment / Torque / Couple / Coppia (S6-40%)

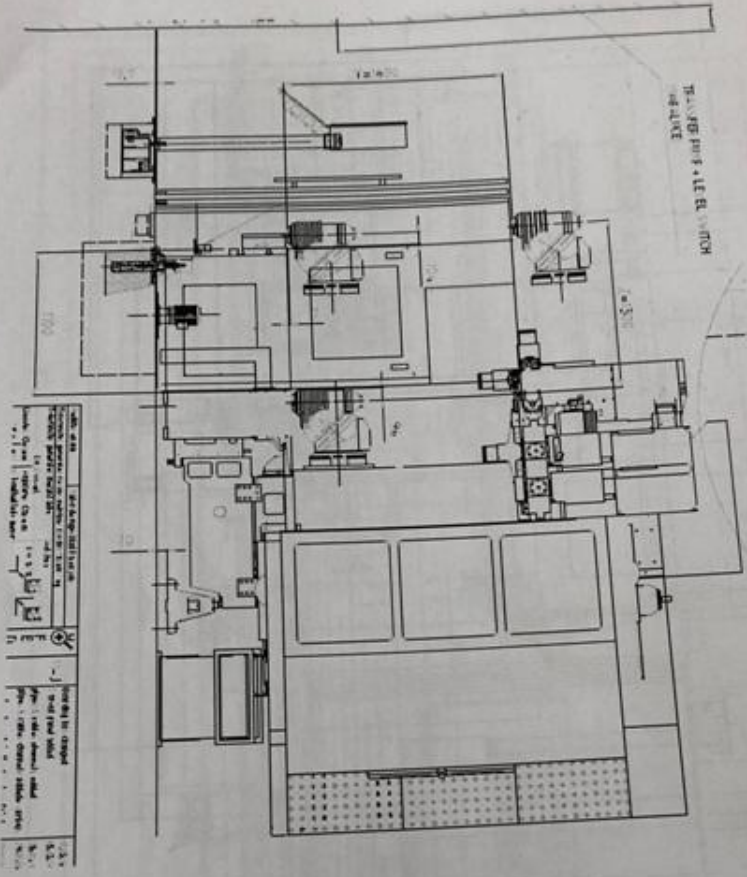


**SORALUCE**

4.- MACHINE



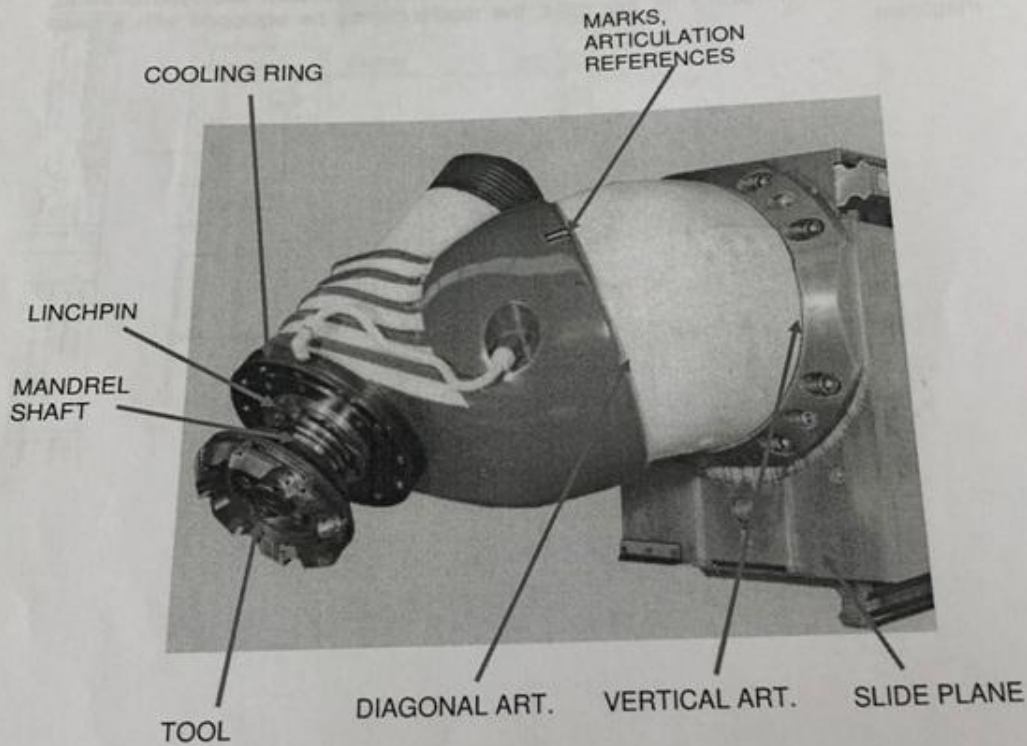
SL-10000  
N° 8321





4.2.1.2.1. Automatic-positioning universal headstock.

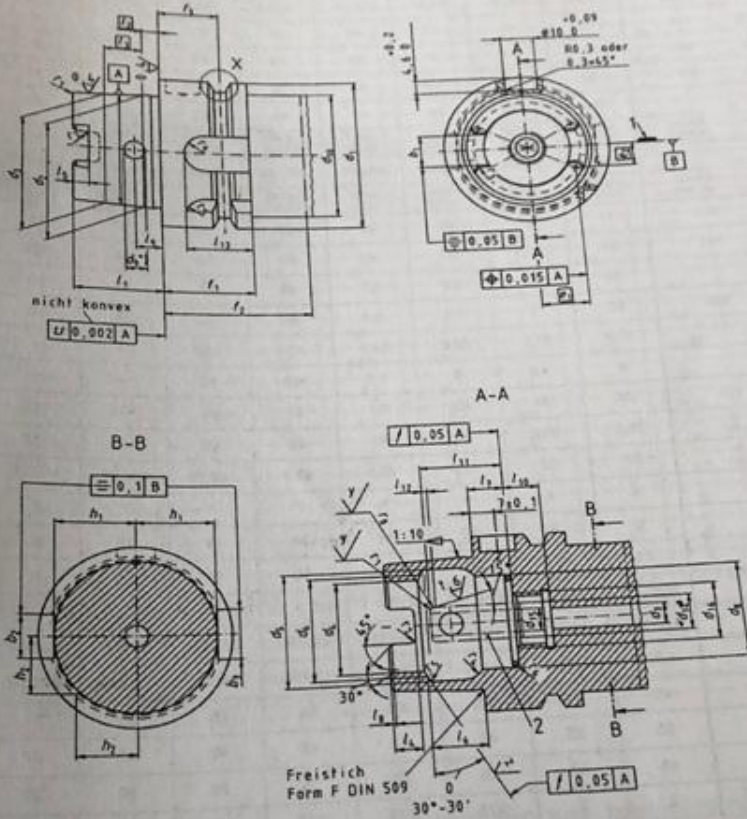
This consists of two articulations which we shall call vertical and diagonal, since the vertical articulation rotates over a vertical plane perpendicular to the slide trajectory, whereas the diagonal articulation rotates over a plane at 45° to this. Positioning of the articulations is carried out in incremental fashion. Each articulation may be locked in any position. In case of the diagonal articulation, the angle specified must not be negative or exceed to 359.999°. In case of the vertical articulation the angle specified must not be less than -180° neither above +180°. Failure to observe any of these conditions will give rise to an alarm message (see chapter 4, Handling and Diagnosis, Diagnosis section).





4.2.1.3.

HSK-A tool-holder cone





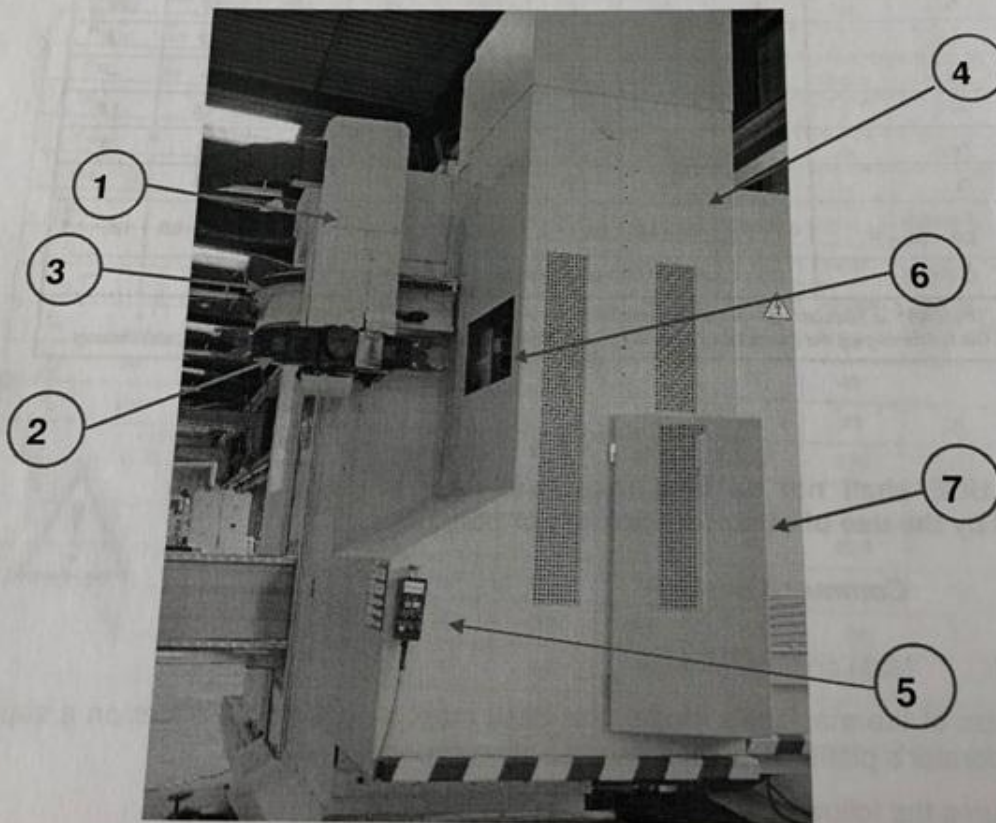
- Push-buttons for machine commands.
- Pilot lights showing the status of the machine.

See the chapter dealing with Handling and Diagnosis for operational modes.

**4.2.1.5. Tool magazine**

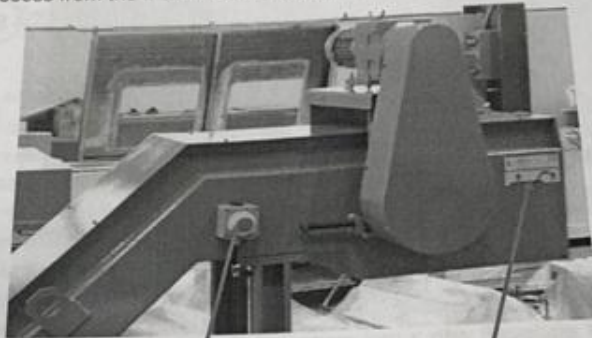
**4.2.1.5.1. Main components of the tool magazine:**

- 1. Handling device
- 2. Handling arm
- 3. Travel system
- 4. Storage unit
- 5. Manual command panel
- 6. Loading / unloading station for changing arm
- 7. Manual tool unloading station
- 8. Manual tool extraction push button



**4.2.1.6. Swarf conveyor**

The function of the swarf conveyor is to remove turnings produced during the machining process from the machine, and dispose of them.



EMERGENCY  
KNOB

SAFETY  
INDICATOR

For further information, consult the Swarf conveyor Instructions Manual.



4.3. DECLARATION OF NOISE LEVEL

**SORALUCE** **DECLARATION OF NOISE LEVEL**

Type of machine	Model	Serial N°	Year of manuf.
	SL-10000	8321	2014

**Instruments**

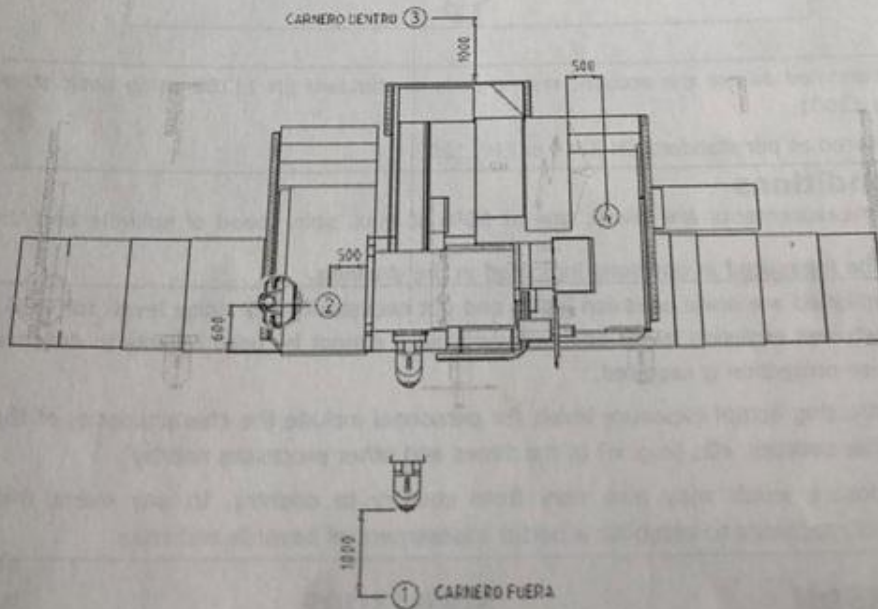
Sound level meter "AIRFLOW" Modelo SLM130 N° serie 040631254.  
 Calibration Last calibrated on 12 May 2009.

**Noise emission levels declared as per EN 4871**

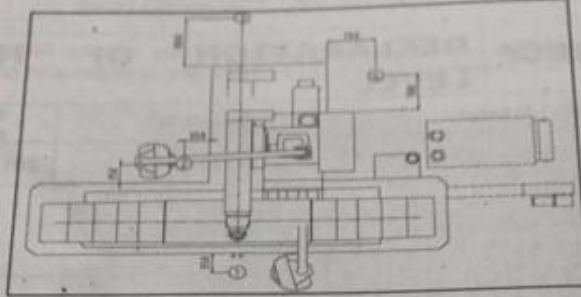
POSITION	80% dB (A)	100% dB (A)
1	70.3	72.8
2	70.9	73.7
3	73.5	74.4
4	74.1	77.4

**BACKGROUND NOISE** dB(A)  
**UNCERTAINTY** ≤ 2

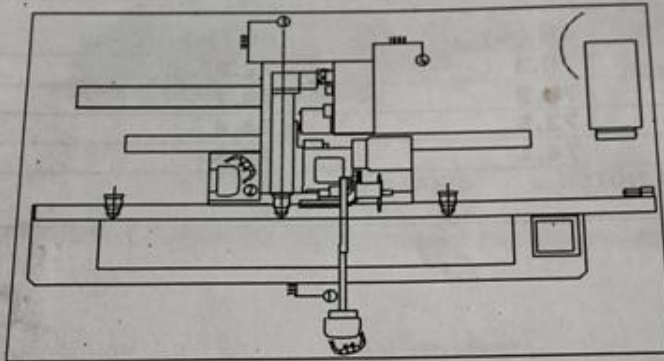
Model F



Modelo T



Modelo S



Levels determined as per the acoustic testing code in standard EN 11202 using basic standards EN 2204 & EN 12001.

Noise measured as per standard EN 3746 or EN 11202.

**Test Conditions**

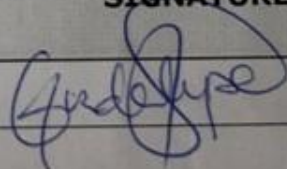
Two noise measurements are taken, one at 80% of max. spin speed of spindle and the other at 100%.

Noise must be measured in positions indicated in the drawing.

The levels indicated are noise emission levels and not necessarily safe noise levels for work. There is a correlation between emission levels and exposure but it cannot be used reliably to determine whether additional noise protection is required.

The factors affecting actual exposure levels for personnel include the characteristics of the workplace, noise from other sources, etc. (e.g. n° of machines and other processes nearby).

Permitted exposure levels may also vary from country to country. In any event this information enables users of machines to establish a better assessment of hazards and risks.

PERSON RESPONSIBLE	SIGNATURE	DATE
G.SANDOVAL		19-5-2014