

SORALUCE FS model, floor type milling-boring machines

The Soraluce FS series floor type milling centre is a multi-purpose milling and boring machine which offers exceptional versatility that increases productivity for our customers.

The modular design of these machines enables us to customise each one to the customer's needs with efficiency and precision.

These types of boring-milling machines can incorporate a wide variety of optional features and accessories such as automatic indexing heads, automatic head changing systems, automatic tool changing systems, floor plates, angle plates, auxiliary tables, CNC rotary and rotary-travelling tables and many other special options that transform this machine into the most flexible machining centre on the market.

Components that in the past had to be produced on several machines, can now be completed in just one set up thanks to the Soraluce boring-milling machine.


 » **Technical specifications**
Included equipment

- Heidenhain iTNC 530 digital control. TFT flat screen.
- Electronic wheel Heidenhain HR-410.
- Digital servo drive system.
- Thermal expansion compensation. Ram / Head.
- Automatic Head 2,5° x 2,5° / 37 kW / 3.000 rpm.
- Centralised automatic lubrication.
- Hydraulic counterweight on the vertical axis.
- Coolant tank 500 l / 5 bar.
- Electrical cabinet with cooling system.
- Electromagnetic compatibility.
- NC panel located in the operator's platform.
- Splash guarding system 2006 / 42 / CE.

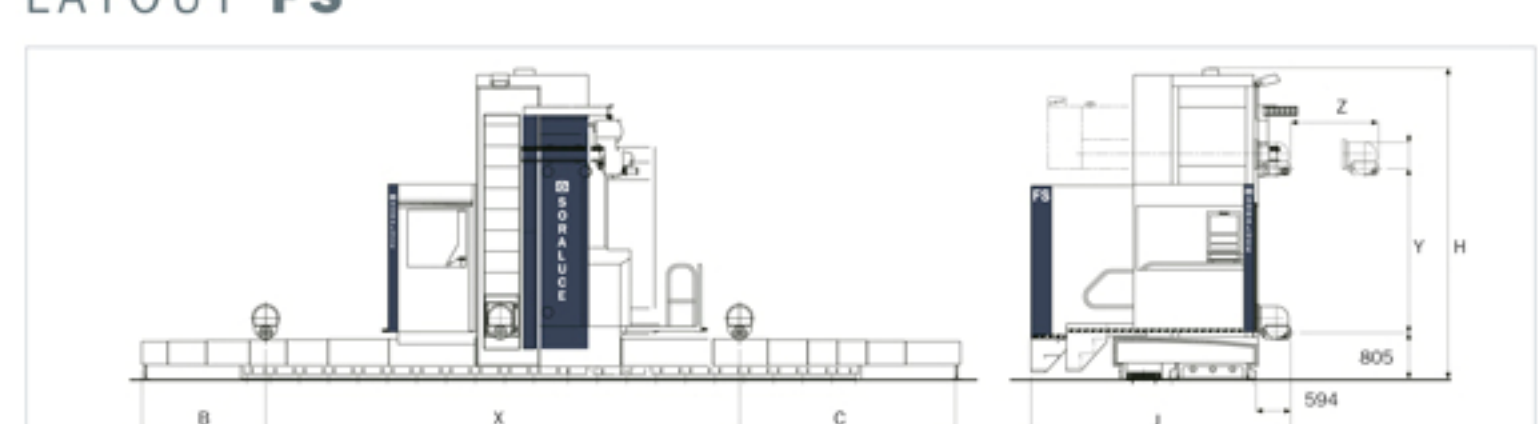
Options

- Automatic indexing head 2,5° x 2,5° / 4000 (5000) rpm.
- Automatic indexing head 1° x 2,5° / 5000 (6000) rpm.
- Automatic indexing head 0,001° x 0,001° / 4000 (5000) rpm.
- Orthogonal head 1° x 1° / 4000 (6000) rpm.
- Orthogonal head 1° x 0,001° / 4000 rpm.
- Fixed horizontal boring head 3000 (4000 / 5000) rpm.
- High speed electrospindle.
- Coolant through the spindle.
- Coolant systems with low-pressure (5 bar) and high-pressure (8 / 12 / 15 / 20 / 30 bar) pump.
- Air / oil lubrication system through the spindle.
- 30 / 40 / 60 / 80 / 100 / 120 tool magazine.
- 7 / 10 tool fixed magazine.
- Workpiece / tool measuring touch probes.
- Siemens 840D CNC System with 15" TFT flat screen.
- Fidia C10-S CNC System with 15" TFT flat screen.
- Fidia C20-S CNC System with 15" TFT flat screen.
- Selca S4045D CNC System with 15" TFT flat screen.
- Selca S4045PD CNC System with 15" TFT flat screen.
- Selca S4060PD CNC System with 15" TFT flat screen.
- Horizontal / vertical and horizontal rotary tables.
- Rotary-travelling tables.
- Swarf conveyor.
- Splash guarding system.

CHARACTERISTICS		FS4000	FS5000	FS6000	FS8000	FS10000	FS12000
Longitudinal traverse, "X" axis **	mm	4000	5000	6000	8000	10000	12000
Vertical traverse, "Y" axis	mm	2800 (3200)					
Cross traverse, "Z" axis	mm	1250 (1500)					
Indexed automatic head*	2,5°x2,5°	Standard					
Spindle power	kW	32 (37)					
Spindle nose taper*		DIN 69871 A					
Pull stud*		DIN 69872 Form A					
Spindle speed range	rpm	3000 (4000 / 5000 / 6000)					
Feed range	mm/min	35000					
Digital CNC with TFT flat screen*		Heidenhain iTNC 530					
Hand wheel*		Heidenhain HR-410					
Coolant system		Standard					
Machine weight	kg	28000	30600	33200	38400	43600	49100

* Other types available upon request

** Other dimensions available upon request

LAYOUT FS

DIMENSIONS

	X	Y	Z	A	B	C	H	J
FS-4000	4000	2800 (3200)	1250 (1500)	9170	1758	3412	5320 (5920)	4400
FS-5000	5000	2800 (3200)	1250 (1500)	10770	2058	3712	5320 (5920)	4400
FS-6000	6000	2800 (3200)	1250 (1500)	11640	1993	3647	5320 (5920)	4400
FS-8000	8000	2800 (3200)	1250 (1500)	13880	2113	3767	5320 (5920)	4400
FS-10000	10000	2800 (3200)	1250 (1500)	15960	2153	3807	5320 (5920)	4400
FS-1200	12000	2800 (3200)	1250 (1500)	180020	2183	3837	5320 (5920)	4400

Dimensions in mm.

* Other types available upon request

** Other dimensions available upon request

 » **Applications**
