

Technical Data Sheet

45473 Mülheim an der Ruhr, 05.11.2020

Soraluce FX 24000

The Soraluce floor type milling, turning, and boring center stands for flexibility, productivity, and maximum precision. Our machine hallmarks rigidity, dynamics and offers high productivity and is used for machining large parts with heavy unit weights.



The advantages are:

- Machining of large parts in pendulum mode
- Machine for large workpieces with precision
- Low foundation costs thanks to the extremely low zero point
- User-friendly and innovative technology

The processing capacities are:

Travel range X-axis (lengthwise)	24,000 mm
Travel range Y-axis (vertical)	5,000 mm
Travel range Z-axis (crosswise)	1,600 mm
NC rotary table	4.000 mm x 3.500 mm
Single weight of the workpiece	100 tons

The features of the machine are:

- Low zero point
- Can be equipped with clamping tables of different sizes
- NC rotary table, which can be used for clamping devices of any kind
- Multitasking: Milling and turning on one machine
- Universal or orthogonal milling head for machining at any desired angle
- Universal milling head with clamping of the main spindle for turning – T-design
- Equipped with an exchangeable quill 130, 150 or 180 mm in diameter
- Fully automatic milling head changing system or quill/milling head changing system
- Main spindle motor with a 53 kW or 70 kW ZF gear or alternatively a three-stage 74 kW or 101 kW SORALUCE gearbox
- INA linear guiding systems with hydro mechanical damping slides

Milling head types	Universal milling head Orthogonal milling head Horizontal milling attachment Quills 130 / 150 / 180 mm in diameter Damped spindle extensions Angle milling head adapter
Automatic stepless milling head	Infinitely variable, infinitely variable simultaneous, with 1° or 2.5° pitch
Quill / milling head changing system	Fully automatic by an adapter plate system with four zero-point clamps
Changing time for quill / milling head changing system	90 seconds
Tool holder	ISO 50 / HSK 100

Drive capacity 46 / 53 / 60 / 70 / 74 / 101 kW at 100% ED

Torque 1,531 / 2,000 / 4,378 / 5,380 / 7,995 / 10,907 Nm

Speed range Up to 2,500 / 3,750 / 4,000 / 6,000 / 7,000 min⁻¹

Automatic tool changer 30 / 40 / 60 / 80 / 100 / 120 / 150 / 250 magazine slots

Travel speeds 25,000 mm/min

Feed force up to 35,000 N

CNC controller Heidenhain TNC 640
Siemens 840 D sl

Electronic hand wheel with cable or radio wave

Coolant system by spray ring and IKZ up to 70 bar

Coolant type Coolant / air / air with MMS