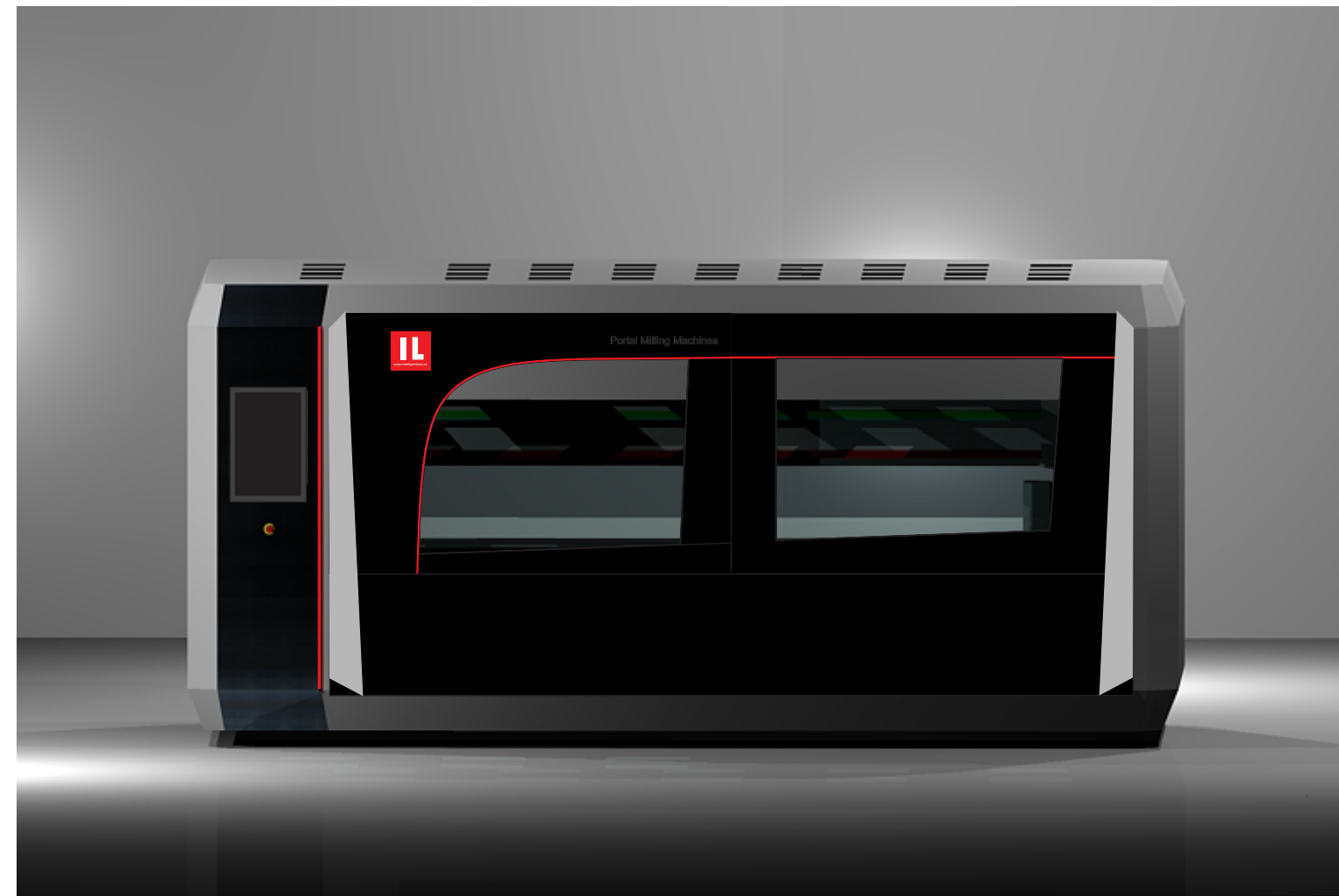


FX 1510
FX 1515
FX 3015
FX 3020
FX 4520

Portal Milling Machines FX Series

2nd generation



FX Series

Structure



Highest performance
and productivity

Highlights

The laminated profiles welded in argon gas offer benchmark for highest rigidity

Improved structure concept for X axis offer large clearance of work table.

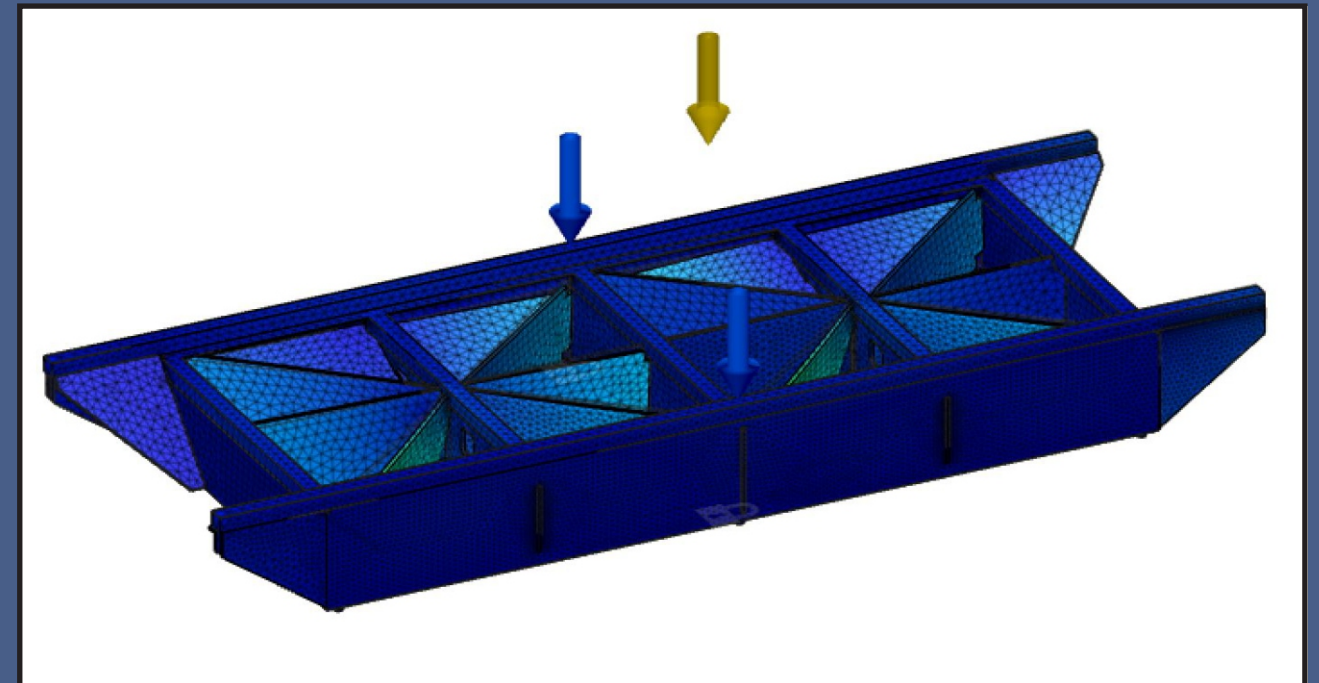
Rigid Y-axis concept in whole range of travel

FEM-optimized design & construction

Precision in every component and detail



Finite Element Simulation



Accuracy of positioning in all axes of 10 μm without linear scales.

Thermal compensation ensures stable, precise and highest quality production process

Gudel made in Swiss transmission - 4 μm class of precision with hardened surface

Sophisticated design and large working area - combined in
the FX series

Improved ergonomics for easy handling and loading of heavy workpieces

Huge table with 3050 x 1600 mm for cutting of parts up to 1,200 kg

Small foot print 13.2 m² for FX3015

Standard Machine FX3015

Work Area

Max. X travels	3,050 mm
Max. Y travels	1600 mm
Max. Z travels	300 mm

Table dimensions

Max. table load	1,200 kg
Lift length	3,100 mm
Table width	1,600 mm

Spindle cutting

Standard HSD E779	24,000 rpm
Tool type	HSK F63
Drive power rating	10 kW (100%)/ 12 KW (40%)

Rapid traverse

Max. X axis	60 m/min
Max. Y axis	60 m/min
Max. Z axis	30 m/min

Tool Magazine

Tool positions	24 pcs.
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FX Series Function



Transmission

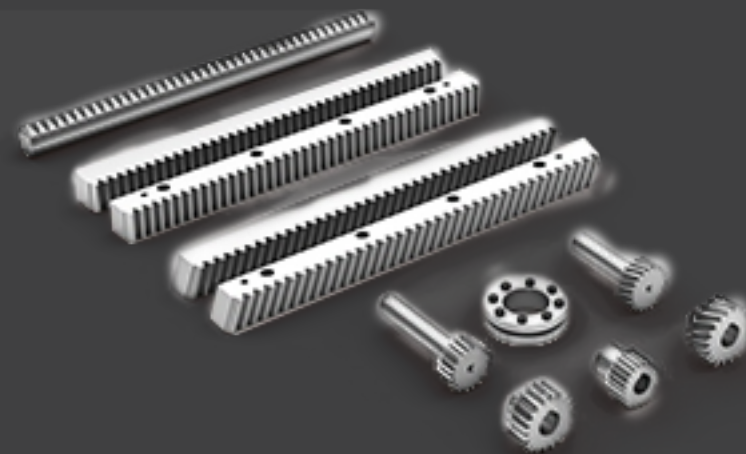
Precision in all shapes and sizes

Perfect for high-performance drive units

Quality offered by



GÜDEL



CNC Fanuc 0i Plus F

Designed to be extremely user-friendly, FANUC's new iHMI makes operating CNC machines easy and efficient. The new panel is flat, features ergonomically positioned keys, completely redesigned hardware and a brand new user interface.

Conversational automatic programming function with process menu

File display and note function for accessing operating instructions, drawings and texts

User – friendly operator guidance screen with clear machine status display

* increase transfer speed up to 120 m/min

* increased accuracy with *nano metric technologies*



Vacuum System

High performance vacuum system based on two Oerlikon SogeVac vacuum pumps with total power of 600 m³/h and a pressure up to 8 mBar Abs.

Vacuum table divided in 36 area with full electronic control and feedback on controller.

Suitable for milling aluminum, stainless steel and titanium.

oerlikon
leybold vacuum

Quality
assured by
hi-class brands ...



Servomotors

Fanuc alpha - made in Japan

High-precision encoder, 28 bits/revolution;
67 million ppr

Max. rotational speed: 5000rpm

Low cogging torque

FANUC

FX Series

Order List



Model range

FX 1510	
Max. X travels	1,050 mm
Max. Y travels	1,600 mm
FX 1515	
Max. X travels	1,600 mm
Max. Y travels	1,600 mm
FX 3015	
Max. X travels	3,100 mm
Max. Y travels	1,600 mm
FX 3020	
Max. X travels	3,100 mm
Max. Y travels	2,100 mm
FX 4520	
Max. X travels	4,600 mm
Max. Y travels	2,100 mm



THE FACTORY AUTOMATION COMPANY

FANUC

NEW FANUC PANEL HiPro with wide screen LCD

large, Full-HD display

display of multiple
information at the
same time

possibility to run
multiple software

intuitive operation

precise, capacitive
touch screen

no need for hardware
keyboard and control
panel

FX Series

Controller option

Quality

made in Japan

Designed for ultimate usability

The new FANUC PANEL HiPro with widescreen LCD supports both portrait and landscape orientation. Hardware keyboard and control panel can be eliminated, reducing the number of parts. The FANUC PANEL HiPro is equipped with a precise capacitive touch screen, which provides excellent usability and allows smartphone-like intuitive operation.

Discover more about FANUC
CNC control series
fanuc.co/cnc-control-series



www.intelligentlabs.ro