



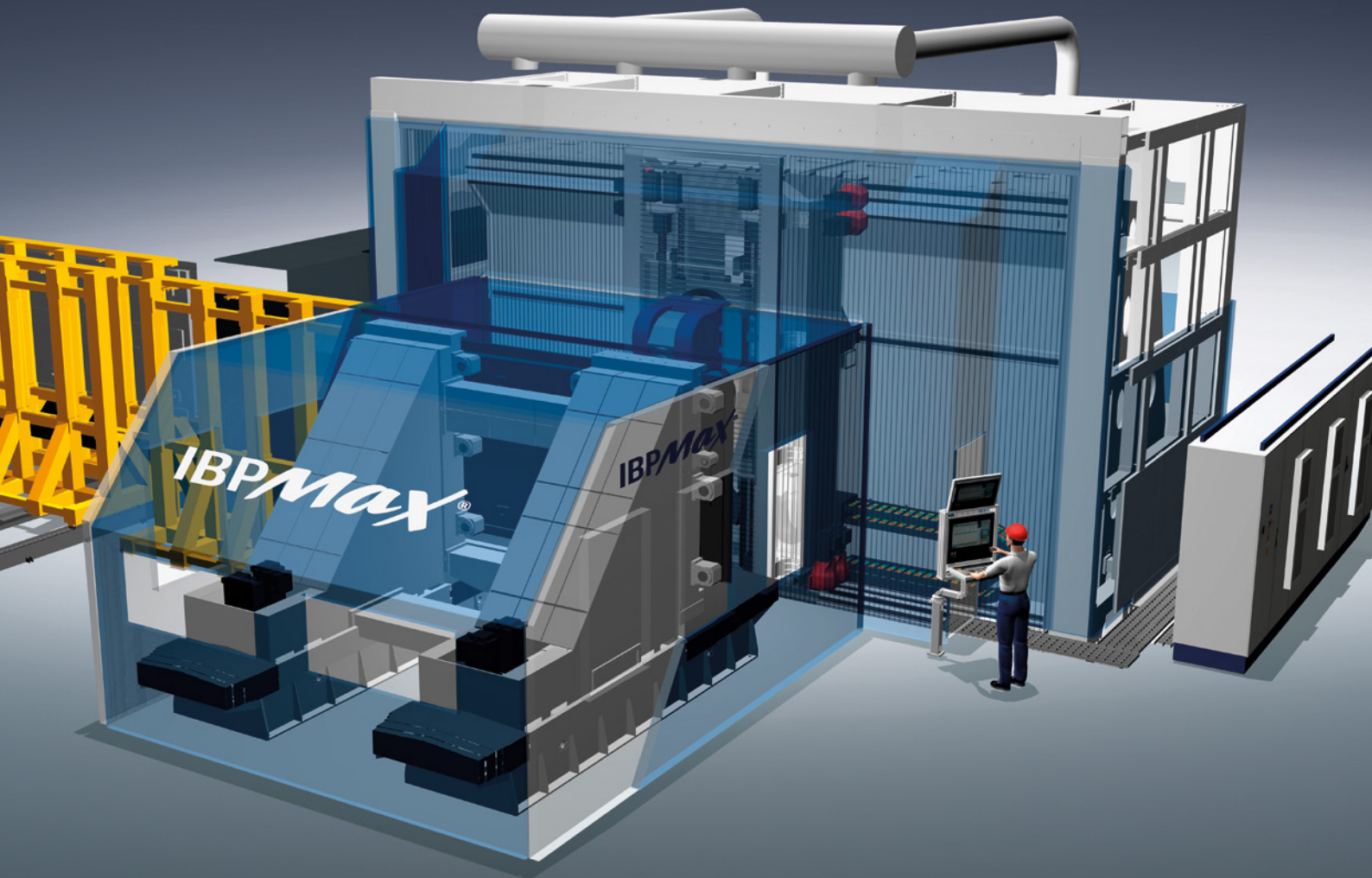
LARGE HORIZONTAL MACHINING CENTERS

IBPMax T

**INNSE
BERARDI**

Machine Tools

ADVANCED MANUFACTURING FOR AEROSPACE APPLICATIONS



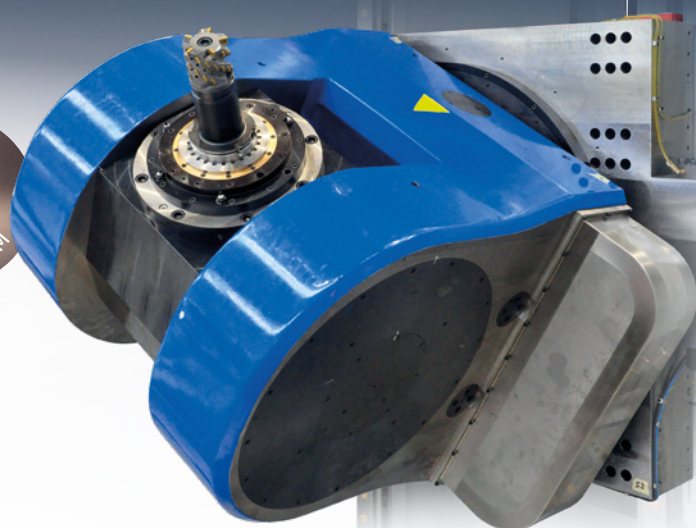
High Torque, high power machine for **Titanium** and tough material applications. The design provides **IBPMax T** with superior static and dynamic positioning accuracies in its working envelope for a constant chip removal rate throughout the entire milling volume.

- ◆ First natural frequency up to 25Hz
- ◆ Ram-free thermally symmetric structure
- ◆ Moving table with hydrostatic guideways
- ◆ Patent Pending on X-Y-Kinematics



TECHNICAL SPECIFICATION

Axis	Travel mm [in]	Max feed rate m/min [ft/min]	Max. acceleration m/s ² [ft/s ²]	Max. thrust N [lbf]
X	4 300 – 5 300 – 6 300 [169.3 – 208.7 – 248.0]	30 [98.4]	4 [13.2]	30 000 [6,744]
Y	2 200 – 3 000 [86.6 – 118.1]	30 [98.4]	4 [13.2]	30 000 [6,744]
Z (horizontal profiler)	1 000 – 1 500 [39.4 – 59.1]	30 [98.4]	4 [13.2]	30 000 [6,744]
Z (roto traversing profiler)	2 000 – 3 000 [78.7 – 118.1]	30 [98.4]	4 [13.2]	30 000 [6,744]



HEADS AND SPINDLES TECHNICAL SPECIFICATION

Spindle	Torque (S1) Nm [ft-lbs]	713 [516.3]	1,000 [737.6]	1,400 [1,032.6]
	Power (S1) kW [HP]	86 [115.3]	120 [160.9]	120 [160.9]
	Max. speed [rpm]	8 000	6 000	4 500
	Taper size	HSK-A100 (125)	HSK-A100 (125)	HSK-A125 (160)
C Axis	Stroke [°]	720 (±360)	720 (±360)	720 (±360)
	Max. speed [°/s]	180	90	90
	Clamping torque Nm [ft-lbs]	22 000 [16,226]	22 000 [16,226]	22 000 [16,226]
	Machining torque Nm [ft-lbs]	9 000 [6,638]	17 000 [12,539]	17 000 [12,539]
A Axis	Stroke [°]	190 (±95)	190 (±95)	190 (±95)
	Max. speed [°/s]	90	60	60
	Clamping torque Nm [ft-lbs]	14 000 [10,326]	18 000 [13,276]	18 000 [13,276]
	Machining torque Nm [ft-lbs]	9 000 [6,638]	17 000 [12,539]	17 000 [12,539]

