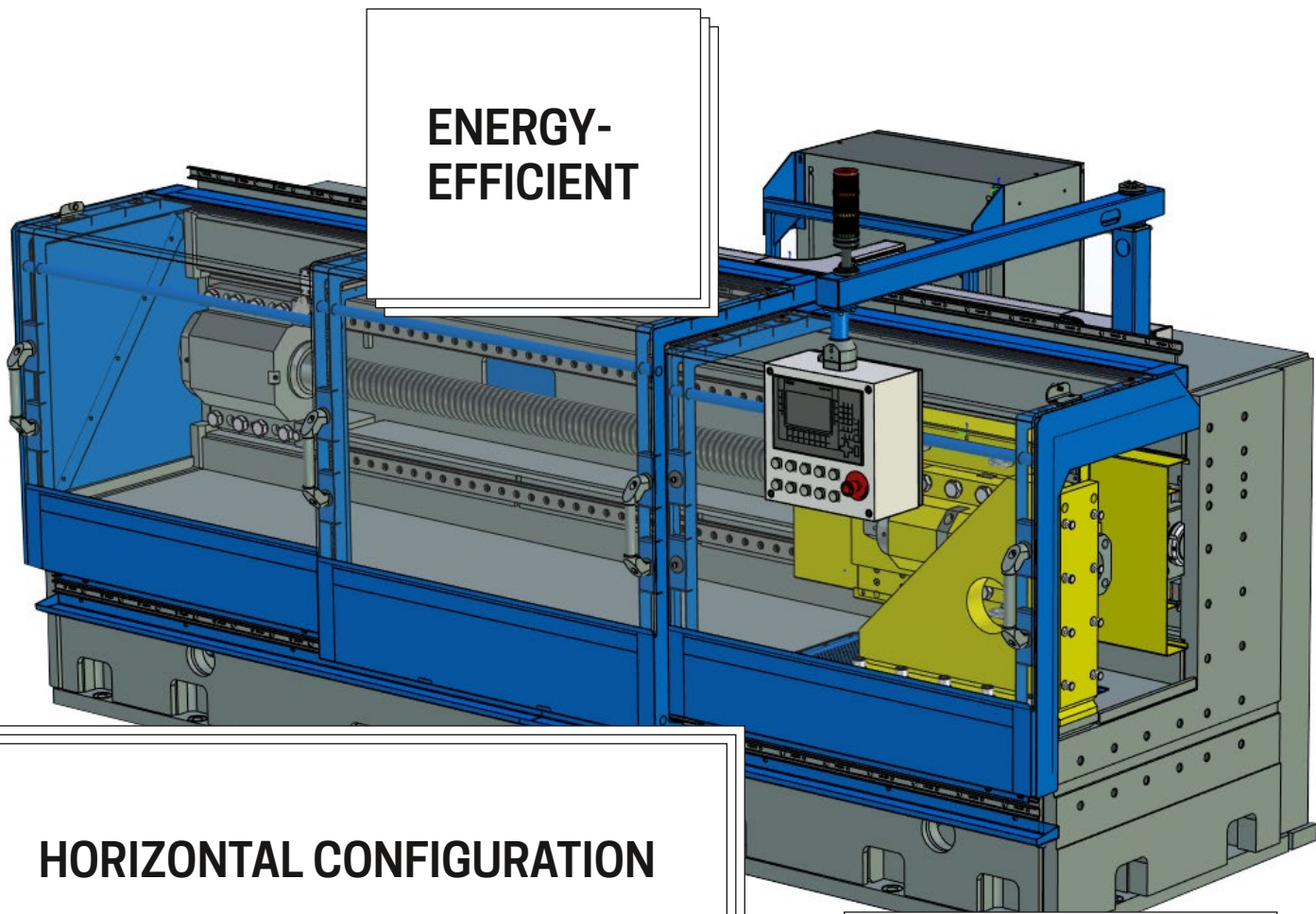


BROACHING MACHINE

ELECTRO-MECHANICAL
HORIZONTAL



SITEK

A detailed technical illustration of the SITEK BMH-2000E broaching machine. The machine is shown in a horizontal configuration with its blue-painted metal frame and grey base. The internal broaching mechanism, including the broaching tool and worktable, is highlighted in yellow. A control panel with a digital display and buttons is mounted on the right side. The machine is designed for precision metal broaching operations.

**ENERGY-
EFFICIENT**

HORIZONTAL CONFIGURATION

**HIGH-
PERFORMANCE**

BMH-2000E

MODERN
MANUFACTURER
WITH 25 YEARS
OF EXPERIENCE IN
THE MACHINE TOOL
INDUSTRY



SITEK

PRODUCTION CAPACITIES AND PERSONNEL

4000 m² of SITEK production area.
This production site is located in
Molodechno, Belarus.

Our facilities allow us to perform
machining and welding of basic machine
parts.

Location of the engineering center:
Minsk, Belarus.

Engineering personnel — 40 engineers.

Total staff — 120 employees.

SITEK PRODUCTION

ABRASIVE CUT-OFF MACHINES

For casting cutting and bar cutting

BAR PEELING MACHINES

For bars diameter 190...380mm

HORIZONTAL BROACHING MACHINES

For external and internal broaching

PORTAL MILLING MACHINES

With table dimensions 6.000 × 2.000 mm
for machining of titanium plates



BMH-2000E

Electro-mechanical Horizontal Broaching Machine.

This broaching machine can cut keyways, create internal splines and external flat and profiled surfaces.

BROACHING TOOLS

KEYWAY BROACH



INTERNAL BROACH



EXTERNAL BROACH



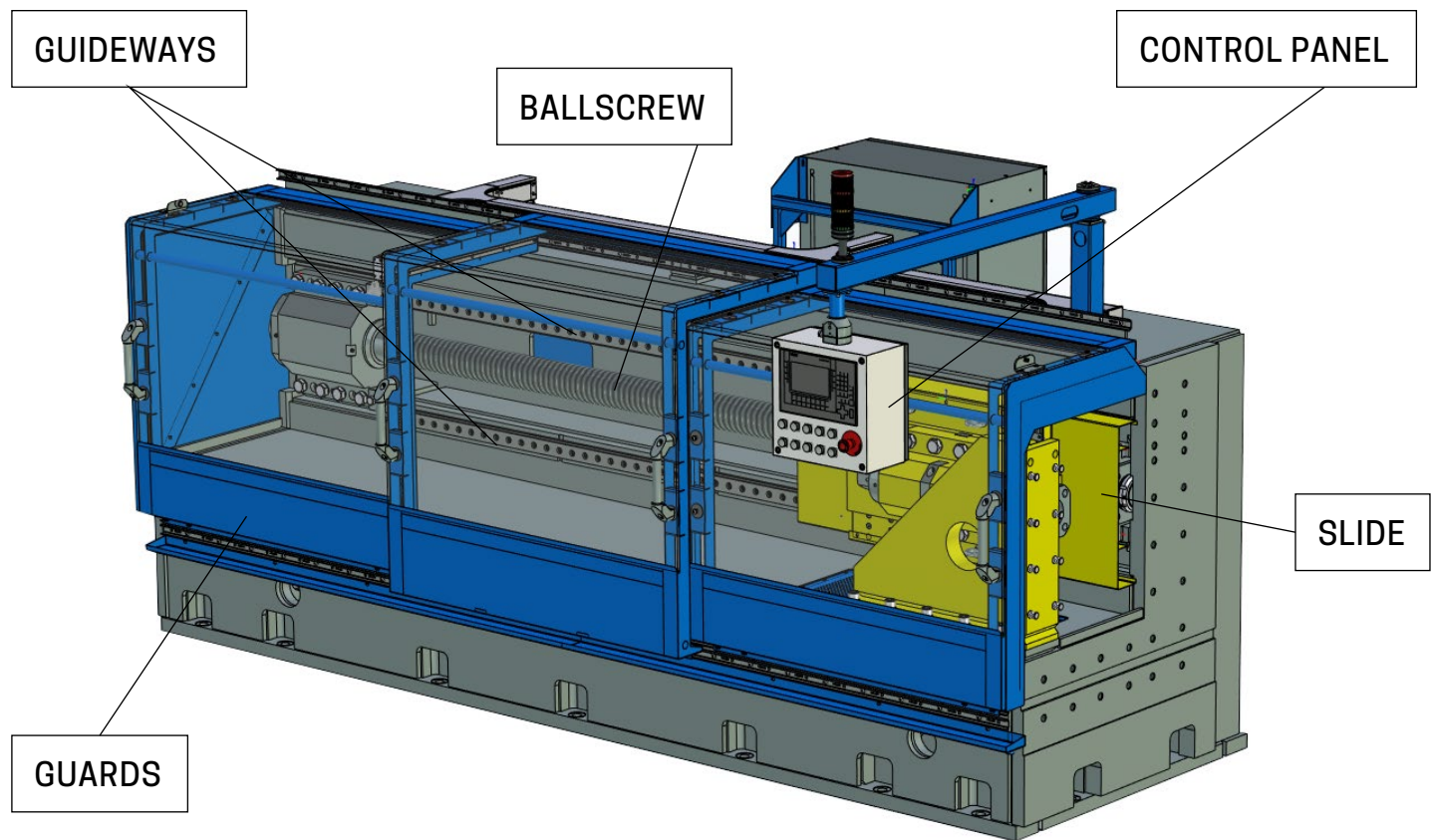
ADDITIONAL EQUIPMENT

Workpiece clamping fixtures

Additional bed with a retriever/follow rest unit for semi-automatic internal broaching

Tool magazine with optional extension of the broaching stroke up to 10 000 mm

Automatic workpiece loading/unloading system



CAPABILITIES

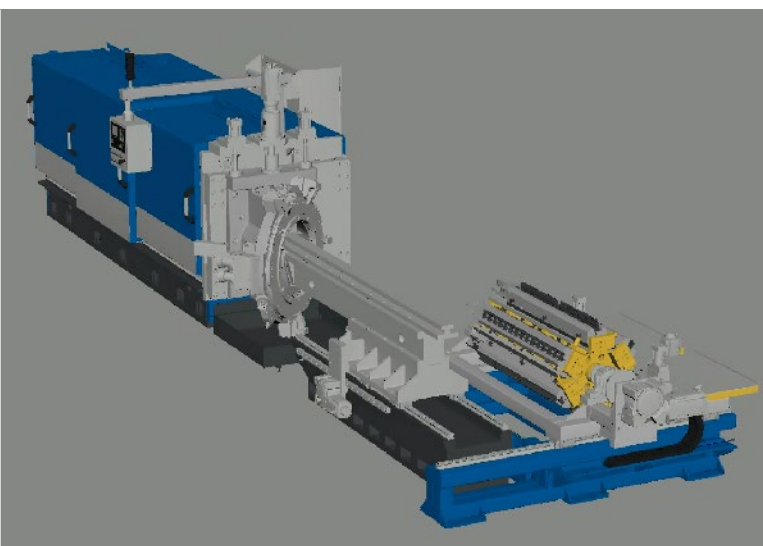
External and Internal broaching

Automatic loading and unloading of the broached components

Manual, semi-automatic and automatic modes



EXTERNAL BROACHING MACHINE



INTERNAL BROACHING MACHINE
FOR AIRCRAFT ENGINE PARTS

TECHNICAL SPECIFICATIONS

Electro-mechanical drive.

Pulling force	up to 250 kN
Stroke	up to 2000 mm
Cutting speed	0,5 ... 13 m/min
Return speed	5 ... 20 m/min
Working travel speed	Stepless
Number of speed control steps	Infinite
Faceplate	1.100 x 900 mm

CAPABILITIES OF THE CONTROL SYSTEM

Main slide speed control directly from the control panel

Setting of the control points of working travel, slowing-down and stop directly from the control panel and saving of the settings in the non-volatile memory

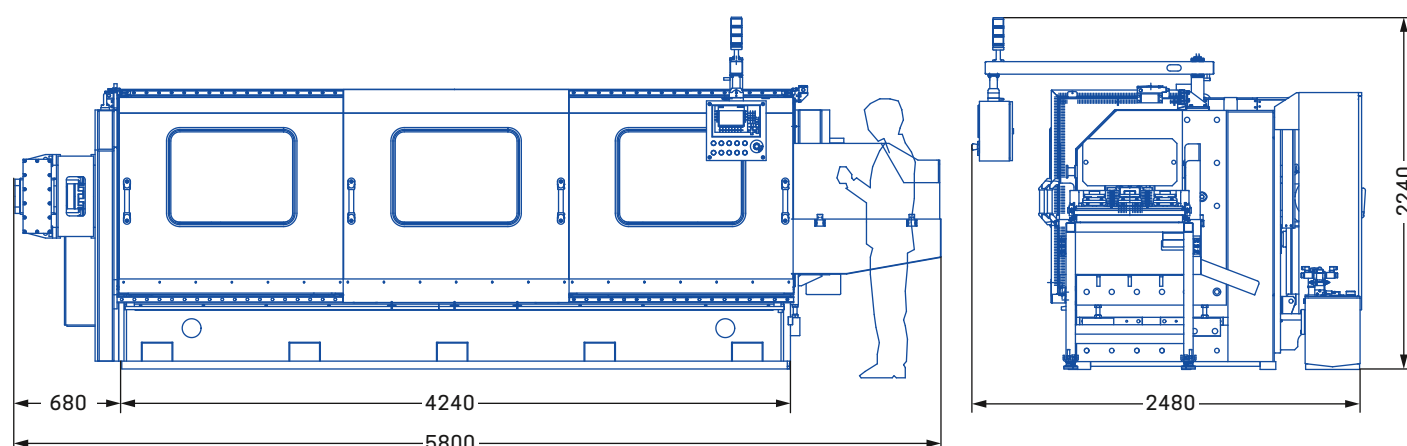
Tool wear monitoring with alarming messages on the control panel

Displaying of the broaching force on the control panel screen

Diagraming of the broaching force

Alarm notification about tool dulling

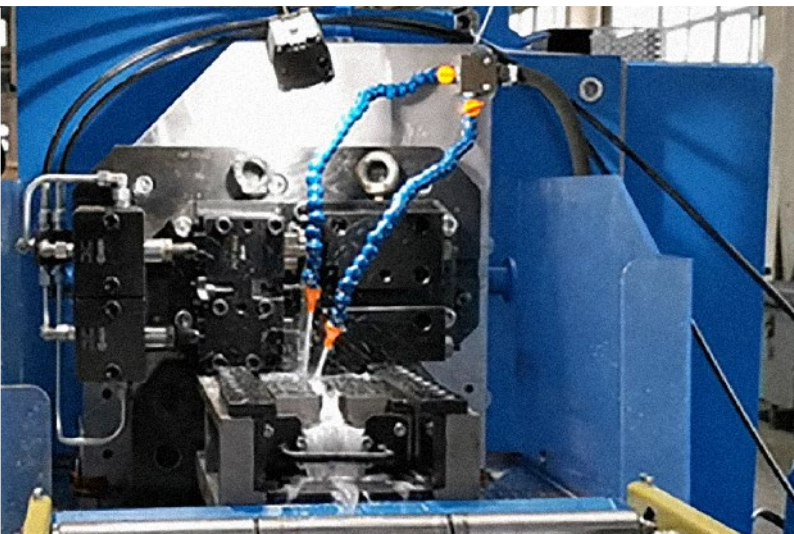
OVERALL DIMENSIONS



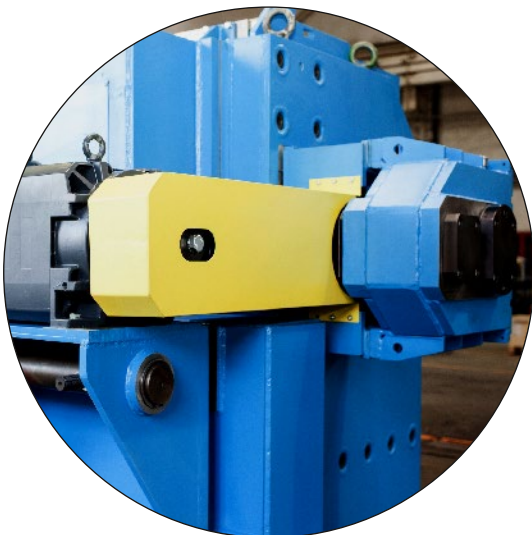
BASIC EQUIPMENT



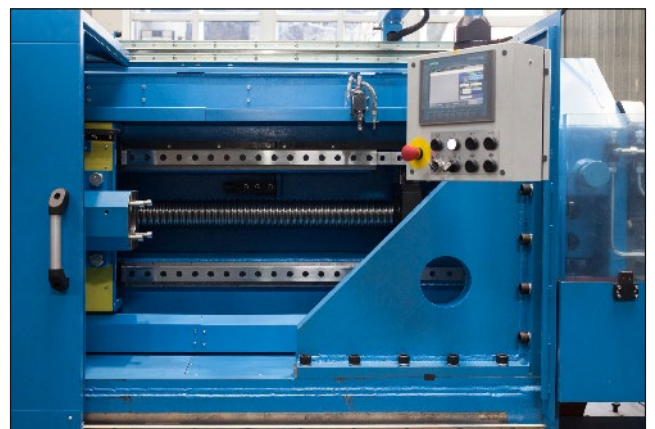
Electric cabinet is located on the machine bed. Machine commissioning can be performed by the customer.



Faceplate 1.100 x 900 mm allows to install large and heavy fixtures and workpieces.



Helical gearbox for stable broaching.

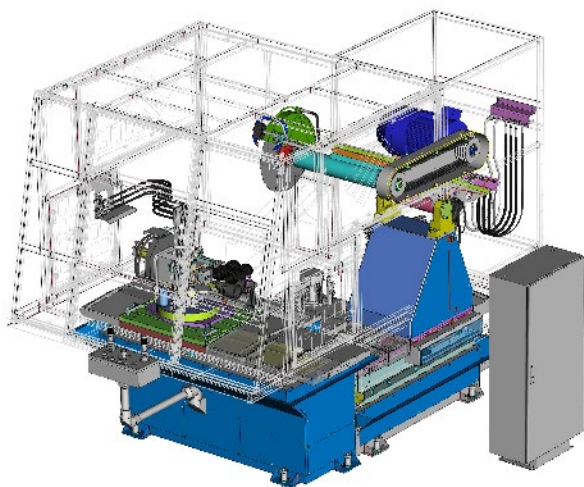


Siemens control system for easy creation and corrections of machining cycles.

MORE PRODUCTS

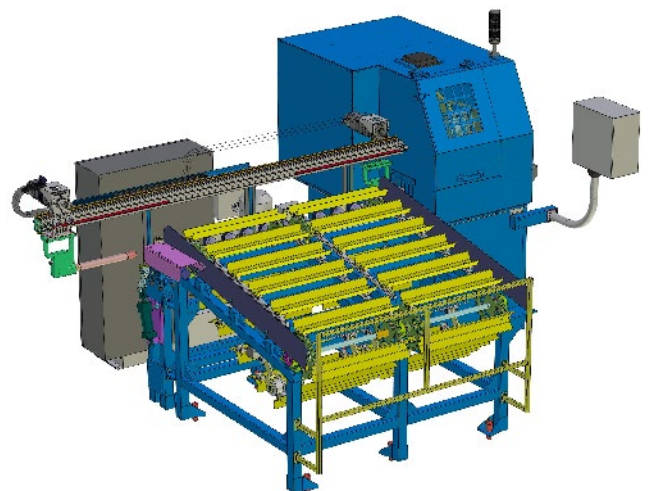
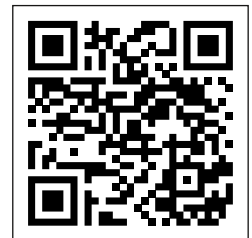


**ABRASIVE
CUT-OFF
MACHINE**



ASM500-30L

**AUTOMATIC
ABRASIVE
CUT-OFF
MACHINE**



ASM400-45SH



PDF-VERSION OF THIS BROCHURE

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