

**PORTABLE MACHINING SYSTEM**  
**PMS1000**

## MACHINE BED

Solid machine bed made of high-alloy steel

## ELECTRIC FEED

AC-Feed drives for infinitely adjustable feeds

## CROSS RAIL

Fabricated cross rail design to reach highest rigidity



**EDM TECHNIK**  
PORTABLE

## MOUNTING

X- and Y-axis provided with high precision ball screws dia. 40mm combined with axial/radial ZARF-bearings



## MILLING HEAD

Heavy Duty Milling Head consisting of an octagonal quill with 4 backlash free adjustable guideways.

Milling spindle with precision bearing system.  
Gearbox with hardened and ground gears for durability and high drive power.

## RAILS

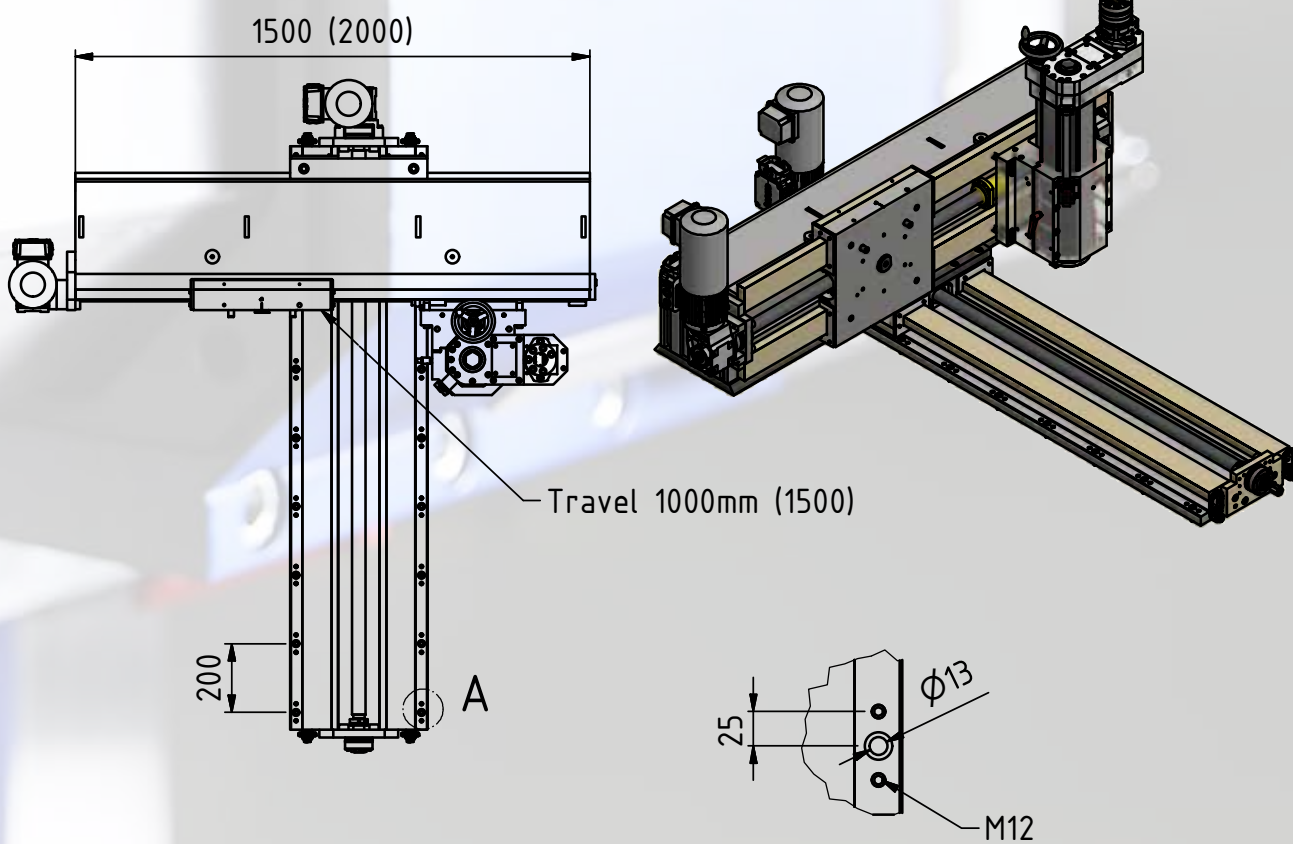
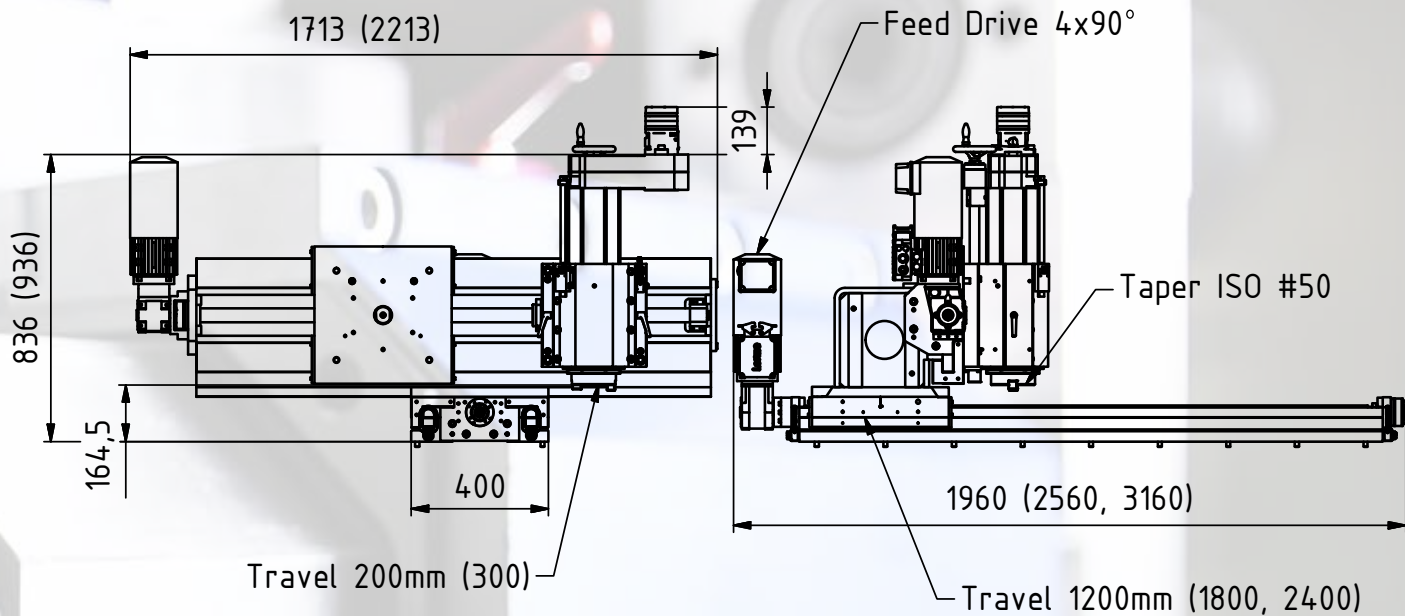
Hardened and ground rails for bed and cross rail. Precision saddles with adjustable gibs for backlash-free operation.

Mating surfaces coated with SKC3 coating to lower coefficient of friction and to increase the load carrying capacity.

## SPECIFICATIONS

<b>Machine Bed (X-axis)</b>	<b>Travel</b> 1200 mm 1800 mm 2400 mm  Custom Machine Bed sizes optionally	<b>Length</b> 1960 mm 2560 mm 3160 mm
<b>Cross Rail (Y-axis)</b>	<b>Travel</b> 1000 mm 1500 mm  Custom Cross Rail sizes optionally	<b>Length</b> 1500 mm 2000 mm
<b>Milling Head (Z-axis)</b>	Vertical Stroke 200mm  Vertical Stroke 300mm	
<b>Tool Location</b>	ISO Taper #50 Different Tool Location optionally	
<b>Hydraulic Power Unit</b>	11,5 kW / 15kW with single pendant control panel	
<b>Electric Feed</b>	AC-Feed Drives for X-, Y- & Z-Axis	
<b>Automation Option</b>	CNC System Siemens 840 DSL for 2-axes (X and Z) or 3-axes control (X, Y and Z)	
<b>Accessories</b>	Swivel Plate for Milling Head Adapter Plate for Horizontal Boring Mill Configuration Gantry Kit	

# MACHINE DIMENSIONS



# MACHINE CONFIGURATIONS

## Standard Linear Milling Machine



## Horizontal Boring Mill



## Gantry Configuration





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