




HORIZONTAL-ENDMACHINING-CENTERS EBZ-SERIES

➤ FIELDS OF APPLICATION AND USE

The horizontal CNC end machining center EBZ of the brand RASOMA in flat bed design enables an efficient end machining of very small to very large shaft parts. Due to the modular design of the machines as well as 4 different sizes, a wide variety of components with a workpiece length between min. 90 mm to max. 20.000 mm as well as a max. workpiece diameter between 20 and 400 mm and also special components such as CNG gas cylinder necks can be machined simultaneously, end-side.

The series is characterized by high flexibility in the available options with regard to tool carriers and holders, clamping devices, automation and loading, as well as by optimized main and auxiliary times.

➤ TECHNICAL HIGHLIGHTS

- Simultaneous end machining of shaft parts
- Short main and auxiliary times with rapid feeds up to 60 m/min in all axes, simultaneous machining and turret indexing times < 1 sec.
- Tailor-made machine design for the specific manufacturing tasks
- Ideal automation capability and in-house implementation (idea, design and manufacture of loading and automation incl. gripper components, storage, etc.
- User-friendly and technology-specific operating screens and programming interfaces
- Actuating tools with U-axis for complex turning operations with the workpiece stationary
- Tool and process monitoring
- Minimum quantity lubrication or cooling lubricant system with belt filter, also high pressure up to 90 bar selectable



MACHINE SPECIFICATION

WORKING AREA		EBZ 60	EBZ 200	EBZ 350	EBZ 400
Workpiece length max.	mm	500	1.500	20.000	4.500
Workpiece diameter max.	mm	60	200	300	500
Swing diameter	mm	125	500	500	500
FEED DRIVES					
Rapid feed X-axis	m/min	30	60	60	40
Rapid feed Y/W-axis	m/min	30	60	60	40
Rapid feed Z-axis	m/min	60	60	60	40
MAIN DRIVE					
Principle		AC-Servomotor	AC-Servomotor	AC-Servomotor	AC-Servomotor
Drive power, 100% duty	kW	11	40	28	50
Intermediate gear		i = 1	./.	./.	i = 3
Torque, 100% duty	Nm	57	169	300	1.200
Max. Speed	U/min	9.000	12.000	3.500	1.500
CNC-CONTROLS		SIEMENS	SIEMENS	SIEMENS	SIEMENS
Type		Siemens 840D Siemens One	Siemens 840D Siemens One	Siemens 840D Siemens One	Siemens 840D Siemens One
TOOL CARRIER					
Number/ Principle		2 crown-type turrets	2 crown-type turrets	2 magazines	2 magazines
Number of fixtures		2 x 6	2 x 6 optional 2 x 8	2 x 8 optional bis 2 x 76	2 x 8
Tool holder		HSK50 o. HSK63	HSK63 o. HSK80	HSK63 o. HSK100	HSK100
DIMENSIONS					
Weight	kg	12.000	12.500	28.000	32.000