



The solution for economic premachining

KUKA cell4_premachining modular with 3-axes positioner KP3-V2V-3



With versatile, modular standard packages and auto- robot-typical features for processing tasks are commation options, KUKA standard cells can be configured bined with rigid kinematics. for customized solutions in the range of premachining systems for customers.

The KUKA cell4_premachining combines performance and quality with high flexibility to comply with your re- To permit a flexible processing, the tools can be quirements in every respect. This flexibility allows the changed fully automatically using a changer. Each place use in the most different areas. Typical applications are is sensor controlled. The tools are protected by a pneusawing, milling, cleaning and grinding work at different matically closing cover. materials

The strength of this robot is its compact design.

The applied KR QUANTEC nano is optimized and designed for this application task. Due to the compact design of all movable axis lengths, only little torques are of robot, positioner, and spindle can be guaranteed. induced in the bearings.

mally aligned towards the processing tool by means of processing capacity of the robot. the rotary module. The component will always be machined in a rigid and reproducible position. So the Alternatively, loading by means of robot is possible.

The system is equipped with a powerful and compact motor spindle.

Software package

In addition, the robot cells are equipped with a perfectly matched technology and software package form the KUKA product portfolio. Thus, an optimal coordination

The loading area is monitored with a light curtain. Cycle-Besides this, the components to be processed are opti-time neutral loading and unloading allows full use of the

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Ideally matched for your function requirements KUKA processing cells

Scope of supply

- 1 pcs. KUKA robot KR 160 1570,
 - o incl. robot control KR C4
 - KUKA Milling application software
- 3-axes positioner KP3-V2V-3
- Sound insulating cabin with 2 windows and two Maintenance doors

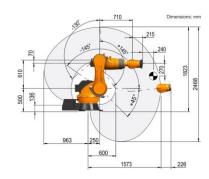
Loading area, secured by light barrier + laser scanner

- Powerful motor spindle
- 13-fold tool changer
- Robot protective cover axis 1-2/3

Basic Configuration - Technical Data:

Cell standard	KUKA Cell4_premachining modular	KP3-V2V single KR	
Robot		1x KR 160 R1570	
Control		KR C4	
Positioner		KP3-V2V-3	
Payload		2 x 1,000 kg	
Turning time		3,9 s / 180°	
Face plate diameter	er	500 mm	
Face plate distance	e D	1.000 mm	
Media supply (air, mass, field bus, hydraulics)			
Loading area	light bar	light barrier + laser scanner	
Milling spindle	18.0 kW S1 ui	18.0 kW S1 und 20 kW S2 HSK 63 E	
	up to 24.000 U/min	Converter 37.0 kW	
Tool changer		13-fold	
Clamping arm 2-fold (option)			
5-fold height adjusting possibilities / step		75 mm	
Retention force		5950 N	
Opening angle		90 °	

Work envelope, KR 160 R1570

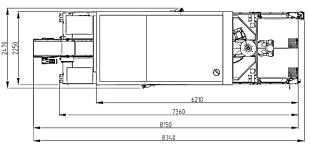


3-axes positioner KP3-V2V-3



Options

- Scrap conveyor instead of chip box
- Clamping arm



For further information please contact us under casting.industries.c

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