

VBA ROBOTLOADER STARTER CELL TURNING AND MILLING UP TO 80 KG

VBA Robotloader Cells

Advantages

The smart entry into CNC-Automation

- Camera system for automatic workpiece recognition
- Low purchasing costs, amortization in 6 – 18 months
- Ideal for lot sizes of 10 – 1000, Setup time 5 minutes
- Graphical dialog control for usage without robotics knowledge
- Easy material providing on table cart
- Part storage expandable to 12 m² with Spacebox, for manless operation
- Electric torque wrench for operation of mechanic vises
- Modular expansion kits for runtime parallel operations
- Universal interface, can be used to retrofit common CNC turning- and milling machines



The space saving solution to increase flexibility and efficiency
Price starting at EUR 141.000,- (Without clamping technology)



Product video

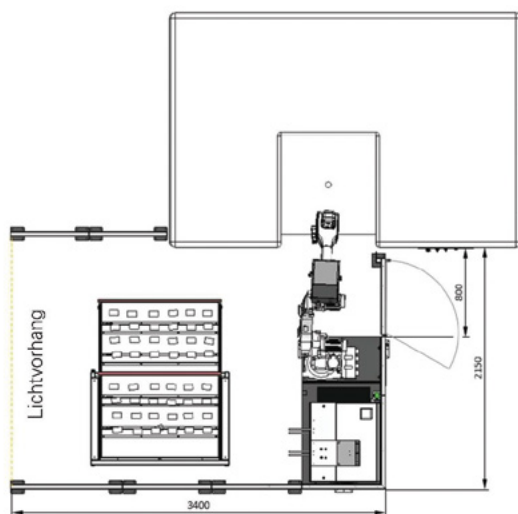
VBA ROBOTLOADER STARTER CELL

TURNING AND MILLING UP TO 80 KG

VBA Loading Robot Cells

Layout

- Positioning according to the Design of the machine. Various positionings possible. Material flow from all directions possible.
- Direct access to material flow, secured by light curtain



Specifications

Fields of application	Rotary operation			Stationary operation		
Product variants	Turn 25	Turn 50	Turn 80	Mill 25	Mill 50	Mill 80
Workpieces						
Max. weight of raw parts [kg] excl. gripper	18	38	73	18	38	73
Round material min./max. [mm]	Ø 15–220 L 10–200	Ø 20–300 L 10–300	Ø 20–300 L 10–300	Ø 15–220 L 10–200	Ø 20–300 L 10–300	Ø 20–300 L 10–300
Square material min./max. [mm]	20×20×10 200×200×200	20×20×10 300×300×300	20×20×10 300×300×300	20×20×10 200×200×200	20×20×10 300×300×300	20×20×10 300×300×300
Shafts* min./max. [mm]	Ø 15–60 L 60–400	Ø 15–100 L 60–750	Ø 15–100 L 60–750	Ø 15–60 L 60–400	Ø 15–100 L 60–750	Ø 15–100 L 60–750
Machine connection						
Interfaces	Bus interface (profibus, Profinet, EtherNet/IP), potential-free contact					
Measurements						
Length [mm]	1.350	1.500	1.500	1.350	1.500	1.500
Width [mm]	750	750	750	750	750	750
Height [mm]	2.300	2.300	2.300	2.300	2.300	2.300
Total weight [kg]	985	1.830	1.830	985	1.830	1.830
Robot reach [mm]	1.730	2.061	2.236	1.730	2.061	2.236
Media supply						
Three-phase current	400 V, 16 A	400 V, 16 A	400 V, 16 A	400 V, 16 A	400 V, 16 A	400 V, 16 A
Compressed air [bar]	3–8	3–8	3–8	3–8	3–8	3–8