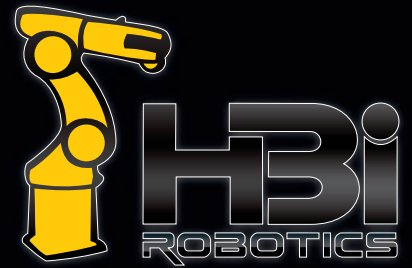


frz - series

FLEXIBLE FEED SYSTEMS



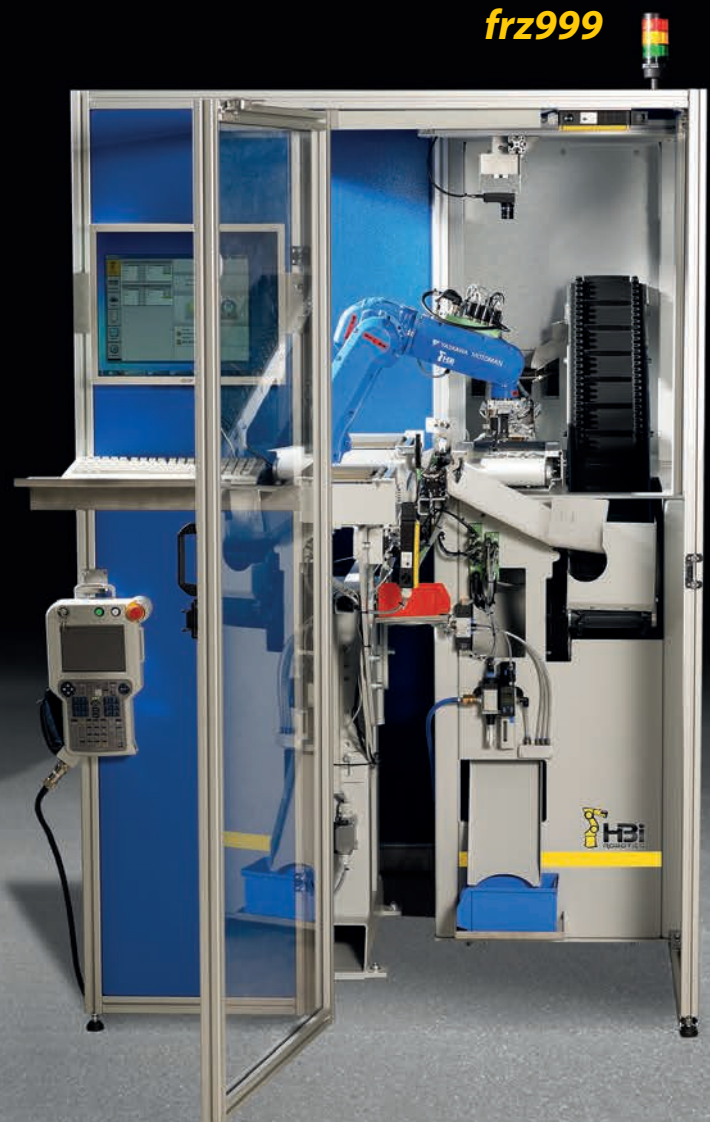
Compact robot cell for the feed of bulk goods with different part geometries

The functional and innovative automation concept is impressive with minimal investment costs as well as fast and easy retooling. Design and capacity data are matched to customer requirements.

frz1001



frz999



INTELLIGENT AUTOMATION

frz - series

FLEXIBLE FEED SYSTEMS

COMPACT DESIGN AND INCREDIBLE PARTS VARIETY

The robot systems of the frz-series are very maintenance friendly due to their compact design and exclusive use of high-quality components, and they offer the added advantage of low investment costs. High repeatability, minimal space requirements, short assembly and commissioning time, as well as on-site service with immediate response are additional advantages of the frz-series from HBi Robotics. Special solutions and additional functions can optionally be integrated in the system.

ROBOTS THAT CAN BE DIRECTLY INTEGRATED ON THE PALLETIZER

- Kuka > Agilus
- Fanuc > LR-Mate 200iD
- Motoman > MH5LF
- Stäubli > TX 60L
- OTC > FD-H5

Other manufacturers and types on request

SYSTEM SIZE

	Length in mm	Width in mm	Height in mm	Weight in kg
frz999	1700	650	2200	approx. 400
frz1001	2040	743	2010	approx. 280
frz1003	1600	1300	2200	approx. 450
frz1005	1700	1000	2200	approx. 600

COMPONENTS IN THE SYSTEM COMPARISON

	Length in mm	Diameter in mm
frz999	< 40	< 12
frz1001	< 70	< 22
frz1003	< 95	< 40
frz1005	< 120	< 60

OPTIONS AND COMBINATIONS

	Hopper	Convoyer tracking	Can be combined with
frz999	Vibratory hopper	yes	pts6420
frz1001	Vibratory hopper	yes	pts6410
frz1003	Steep hopper	yes	
frz1005	Steep hopper	yes	

CAMERA TYPE/SOFTWARE

	IDS/Halcon	Cognex	3D	
frz999	HBVision	Inside		
frz1001	HBVision	Inside	on request	Robot-spec. cameras, e.g. Fanuc
frz1003	HBVision	Inside		
frz1005	HBVision	Inside		



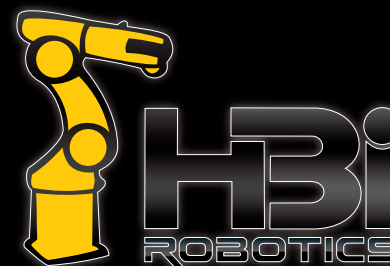
Robot in pre-position



Robot grasps parts from the conveyor belt



Control panel with 7 function buttons



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Subject to change without notice / errors and omissions excepted. Version: October 2016