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GiboSmartSolutions

GiboMachineTending

Gibotech's machine tending solutions are based on known technology and experience from previous projects. The solution is offered as a turnkey solution within the framework described on the back-side and can be easily adapted to customer specific requirements.



Robot
Fanuc, KUKA



CNC
CMS, SCM



Robot Tool
Application tailored



Materials
Wood, composit, plastic, aluminum



Solution
Can also be purchased for existing machines from other manufacturers



ADVANTAGES

- Known technology tailored to your production
- Better utilization of items for increased efficiency
- Consistent quality of the final product
- Fewer faulty items for less waste
- Higher throughput for increased productivity
- Releases employees for other value adding tasks
- Reduces one-sided repetitive work
- Improved competitiveness and greater employee satisfaction



GIBOTECH
GiboSmartSolutions



THE SOLUTION INCLUDES:

- 1 CNC machine
- 1 robot incl. controller and teach pendant
- 1 application adapted robot tool
- 4 manual roller conveyors for feed-in and feed-out
- 1 brush polisher for polishing items
- 1 vacuum cleaner
- 1 zero positioning fixture
- 1 customer adapted HMI Touch-panel with corresponding interface
- Full safety solution
- Electrical cabinet and necessary electrical components
- GibSoft software package for automatic production, monitoring etc.
- Installation and commissioning of robot solution at Gibotech A/S with FAT test
- Installation and commissioning of the complete solution at the customer with SAT test
- Complete documentation package, incl. CE.

FUNCTIONALITY

Efficient automated machining center for items to be machined into shape.

CNC machine that combines the typical CNC characteristics of precision, reliability and a high safety level with robustness, strength and speeds to perform any type of milling, drilling and three-dimensional machining.

Highly efficient industrial robot with exceptional operation stability integrated with CNC machine, high quality constructed accessories and proven grips with vacuum suction mat. It applies vacuum on the entire surface without making marks on the surface of the workpiece regardless of material composition. The entire solution is connected by GiboSoft Software Platform which, through intuitive interfaces and options, creates a user experience that makes it easy for operators to operate the facility after only a few hours of training.

The robot tool is designed to integrate a vacuum cleaner to remove dust or chips before the workpiece is palletised. Before palletising the workpiece, it is polished on the brushes leaving the finished product with soft, round shapes that can be packed and shipped to customers.