

RoboFlex® System Options



Quick-Change Gripper Mount allows the operator to change gripper head assemblies in seconds.



Part Inspection Chute allows the robot to place parts external to the robot. These can be used for mass part collection or to handle in-process inspection.



Part Re-Grip Station provides a quick change base that can accommodate a variety of small fixtures a robot may require in dual sided operations.



Workholding options are available. Please discuss your needs with your sales specialist.



Door Actuator allows the robot to automatically open and close the machine door. There are several models based upon your configuration.



Machine Interface provides electrical connection of each machine tool to the robot. Only one is included. Each machine tool needs one.



iRVision Robotic Vision System allows operators to randomly place parts onto the infeed device.



Gripper Head Assembly can be provided if you want to have your cell be quickly changed over in multi-part operations.

Call your local Haas Factory Outlet for your free consultation today!



Pre-Engineered CNC Machine Tending Robotic Systems



For Your HAAS Machine



RA_RFH102017



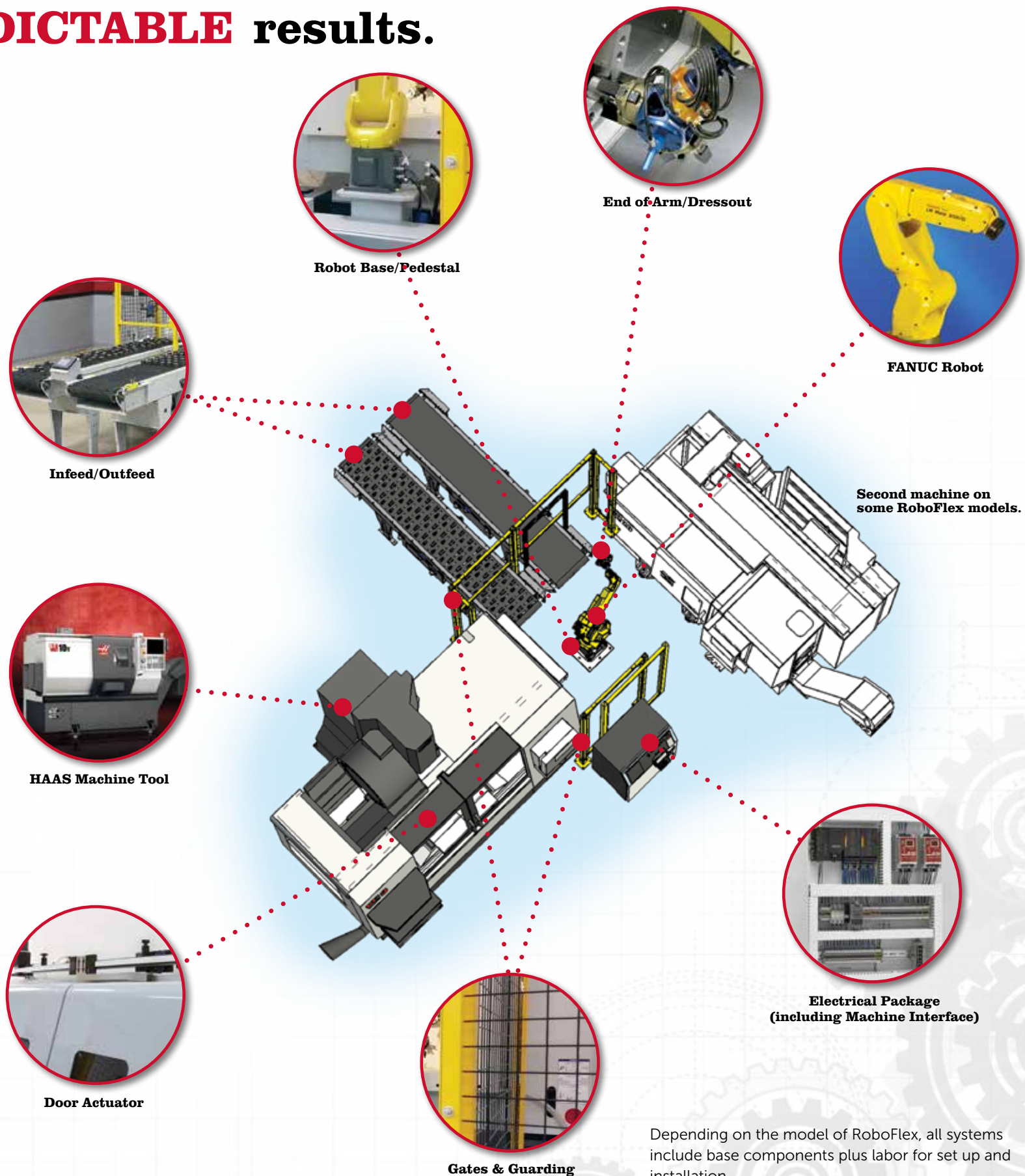
LOWER initial investment. **SHORTER** lead times. **PREDICTABLE** results.

RoboFlex® systems are automated machine tending systems. This diagram illustrates the core sub-systems in a typical machine tending cell which allows a robot to load/unload your machine tools.

In each of our systems, our engineers have combined these sub-systems to ensure that the robot can successfully perform the repetitive task of part exchanges during machine operation. This allows you to get the most productivity from your equipment and employees.

The five main benefits you gain are:

- More production through efficiency
- Reduced hourly operating costs
- Extended capacity from your machine operators
- Improved, consistent part quality
- Easy and fast part changeovers



Depending on the model of RoboFlex, all systems include base components plus labor for set up and installation.

RoboFlex® VP



RoboFlex® VP Package

RoboFlex® DS



RoboFlex® DS Package

Value Package

Key Features

- Our lowest cost system
- Single machine only
- Lathes and mills possible
- Compact footprint
- Simplest to operate

RoboFlex VP Base Package

Popular Options
(others by consultation)

- FANUC iRVision 2D part locating system
- Re-grip/flip station
- Part inspection/exit chute
- Pneumatic vertical sliding shutter
- Fast servo (2) door shutter
- High-speed servo door actuator
- Upgrade to quick-change tool stem
- Extra quick-change dual gripper assembly
- Vise mount casting for rotary table (8")
- Schunk KSP 160 Plus vise

Docking Station

Key Features

- Most compact system
- Multi-machine layouts possible
- Lathes and mills possible
- Entire part queue on a single cart
- Additional carts available
- Easy, fast changeover

RoboFlex DS Base Package

Popular Options
(others by consultation)

- FANUC iRVision 2D part locating system
- Re-grip/flip station
- Part inspection/exit chute
- Pneumatic vertical sliding shutter
- Fast servo (2) door shutter
- High-speed servo door actuator
- Upgrade to quick-change tool stem
- Extra quick-change dual gripper assembly
- Additional machine integration
- Vise mount casting for rotary table (8")
- Schunk KSP 160 Plus vise

RoboFlex[®] CS



RoboFlex[®] CS Package

RoboFlex[®] MC



RoboFlex[®] MC Package

Conveyor System

Key Features

- Most versatile system
- Multi-machine layouts possible
- Lathes and mills possible
- Can hold 1000 lbs of material
- Heavy payload versions possible

RoboFlex CS Base Package

Popular Options (others by consultation)

- FANUC iRVision 2D part locating system
- Re-grip/flip station
- Part inspection/exit chute
- Pneumatic vertical sliding shutter
- Fast servo (2) door shutter
- High-speed servo door actuator
- Extra quick-change dual gripper assembly
- Additional machine integration
- Vise mount casting for rotary table (8")
- Schunk KSP 160 Plus vise

Material Closet

Key Features

- 20 tray system
- Multi-machine layouts possible (bigger robot)
- Can hold 15 lbs per tray
- 30 square feet of queue
- Small floor footprint

RoboFlex MC Base Package

Popular Options (others by consultation)

- FANUC iRVision 2D part locating system
- Re-grip/flip station
- Part inspection/exit chute
- Pneumatic vertical sliding shutter
- Fast servo (2) door shutter
- High-speed servo door actuator
- Upgrade to quick-change tool stem
- Extra quick-change dual gripper assembly
- Additional machine integration
- Vise mount casting for rotary table (8")
- Schunk KSP 160 Plus vise