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 and parts for 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.

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

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.

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

For Your HAAS Machine

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** 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.

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

Value Package

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

Docking Station

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

Conveyor System

Key Features
- Most versatile system
- Multi-machine layouts possible
- Lathes and mills possible
- Can hold 15 lbs per tray
- Small floor footprint

Material Closet

Key Features
- 30 tray system
- Multi-machine layouts possible (bigger robot)
- Can hold 15 lbs per tray
- 30 square feet of queue

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

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 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

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
RoboFlex® VP Package

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

RoboFlex® DS Package

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

RoboFlex® CS Package

- Most versatile system
- Multi-machine layouts possible
- Lathes and mills possible
- Can hold 15 lbs per tray
- 3D square feet of usage

RoboFlex® MC Package

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

Value Package

Key Features
- Docking Station
- Conveyor System
- Material Closet

RoboFlex VP Base Package

- Popular Options
- Popular Options
- Popular Options

RoboFlex® MC Package

- Popular Options
- Popular Options
- Popular Options

RoboFlex® VP Base Package

- 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

RoboFlex DS Base Package

- Popular Options
- Popular Options
- Popular Options

RoboFlex CS Base Package

- Popular Options
- Popular Options
- Popular Options

RoboFlex MC Base Package

- Popular Options
- Popular Options
- Popular Options

RoboFlex® DS Base Package

- Popular Options
- Popular Options
- Popular Options

RoboFlex® CS Base Package

- Popular Options
- Popular Options
- Popular Options

RoboFlex® MC Base Package

- Popular Options
- Popular Options
- Popular Options

RoboFlex VP Popular Options

- 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

RoboFlex DS Popular Options

- Can hold 1000 lbs of material
- Heavy payload versions possible

RoboFlex CS Popular Options

- Can hold 15 lbs per tray
- 3D square feet of usage

RoboFlex MC Popular Options

- Small floor footprint
- Vise mount casting for rotary table (8"
- Schunk KSP 160 Plus vise

RoboFlex® MC Popular Options

- Can hold 15 lbs per tray
- 3D square feet of usage
- Small floor footprint
- Vise mount casting for rotary table (8"
- Schunk KSP 160 Plus vise