Agile Flex
35 Series

Robotic Loading Systems for CNC Machine Tools

Compact | Easy to use | Flexible | Affordable

AgileFlex35P

AgileFlex35D

Automated Pallet system

General Specifications	
Agile control software	●
Included standard nest plates (double layer)	1
Additional nest plates	○
Power supply (KvA)	3
Pneumatic pressure (bar)	6
Robot	
Fanuc M-20iD/35 robot (35kg payload)	●
Double 3-jaw gripper	●
Gripper pressure control	●
Capacities	
Workpiece diameter (min/max)	1" - 6" / 25mm - 150mm
Workpiece length (max)	>12" / 300mm (application dependant)
Workpiece weight - single gripping (max)	55lbs / 25kg
Workpiece weight - double gripping (max)	27.5lbs / 12.5kg
Weight capacity - pallet (max)	550lbs / 250kg
Standard nest plate capacity Ø0.75" - Ø4" / Ø20mm - Ø100mm (pieces)	32
Standard nest plate capacity Ø0.75" - Ø2.5" / Ø20mm - Ø63mm (pieces)	72
Standard nest plate capacity Ø0.75" - Ø1.375" / Ø20mm - Ø35mm (pieces)	179
Safety	
Floor scanner	●
Integrated enclosure	●
Safety fence	○

● Standard ○ Option

Automated Drawer system

General Specifications	
Agile control software	●
Number of drawers (standard)	4
Number of drawers (max)	8
Included nest plates (single layer)	1 per drawer
Additional nest plates	○
Drawer-mount pallet	○
Power supply (KvA)	3
Pneumatic pressure (bar)	6
Robot	
Fanuc M-20iD/35 robot (35kg payload)	●
Double 3-jaw gripper	●
Gripper pressure control	●
Capacities	
Workpiece diameter (min/max)	1" - 6" / 25mm - 150mm
Workpiece length - 2 drawers (option) (min/max)	0.4" - 12" / 10mm - 300mm
Workpiece length - 4 drawers (standard) (min/max)	0.4" - 6" / 10mm - 150mm
Workpiece length - 8 drawers (option) (min/max)	0.4" - 3" / 10mm - 75mm
Workpiece length - optional drawer-mount pallet (max)	>12" / 300mm (application dependant)
Workpiece weight - single gripping (max)	55lbs / 25kg
Workpiece weight - double gripping (max)	27.5lbs / 12.5kg
Weight capacity - per drawer (max)	220lbs / 100kg
Weight capacity - optional drawer-mount pallet (max)	500lbs / 220kg
Drawer/Pallet capacity Ø1" / Ø25mm (pieces)	120
Drawer/Pallet capacity Ø2" / Ø50mm (pieces)	60
Drawer/Pallet capacity Ø3" / Ø75mm (pieces)	32
Drawer/Pallet capacity Ø4" / Ø100mm (pieces)	24
Drawer/Pallet capacity Ø6" / Ø150mm (pieces)	12
Safety	
Floor scanner	●
Integrated enclosure	●
Safety fence	○

● Standard ○ Option

Agile Flex 35 Series - *Affordable and productive.* **High capacity. Larger parts.**

AgileFlex 35V

AgileFlex 35S

Automated Vise system

Automated Shaft system

General Specifications	
Agile control software	●
User adjustable vise mounting system	●
Power supply (KvA)	3
Pneumatic pressure (bar)	6
Robot	
Fanuc M-20iD/35 robot (35kg payload)	●
Single 2-jaw gripper	●
Capacities	
Number of vises (user adjustable)	Up to 32
Maximum part weight	33lbs / 15kg
Safety	
Floor scanner	●
Integrated enclosure	●
Safety fence	○

● Standard   ○ Option

General Specifications		
Agile Go! control software		●
Number of drawers (standard)		4
Number of drawers (max)		8
Included quick-adjust mechanical shaft nests		1 per drawer
Additional nest plates		○
Power supply (KvA)		3
Pneumatic pressure (bar)		6
Robot		
Fanuc M-20iD/35 robot (35kg payload)		●
Single 2-jaw gripper		●
Double 2-jaw gripper		○
Gripper pressure control		●
Capacities		
Weight capacity (per drawer) (max)		220lbs / 100kg
Drawer capacity - shaft diameter	Up to 1" / 25mm	11 rows
	1.25" / 32mm	10 rows
	1.5" / 38mm	8 rows
	2" / 50mm	7 rows
	2.5"/ 63mm	6 rows
	3" / 76mm	5 rows
Drawer capacity - shaft length	Up to 9" / 228mm	3 columns
	10" - 16" / 254mm - 406mm	2 columns
	16" - 31" / 406mm x 787mm	1 column
Safety		
Floor scanner		●
Integrated enclosure		●
Safety fence		○

● Standard   ○ Option

AgileGo!

Easy to use cell controller software

All Agile Machine Loading Systems feature the same state of the art user interface and Agile Go! cell controller software.

Specifically designed to be intuitive for the CNC machine tool user and requiring no robot programming knowledge, Agile Go! requires minimal training.

Agile Go! features an easy to follow wizard guided process builder which enables customers to complete complex robot processes in minutes.

Agile Go! is powerful, flexible and couldn't be simpler to use.

➔ Familiar, easy to understand, state of the art user interface

➔ Easy to follow wizard-guided Agile Process Builder

➔ Complex robot sequences configured in minutes

➔ Standard on all Agile Flex models

Rapidly deployed on any CNC machine, Agile Flex offers maximum productivity out of the box

➔ **No robot programming knowledge required**

➔ **Easily accessible fenceless technology**

➔ **New parts set up in-house, in minutes**

➔ **Easy to use Agile Go! controller**

➔ **Multiple part types unmanned**

➔ **No robot interface required**

➔ **No auto-door required**

➔ **Flexible, configurable**

➔ **Affordable**

➔ **Compact**

Agile ROBOTIC SYSTEMS

Machine Tending. Made Easy.

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