



Products Catalogue

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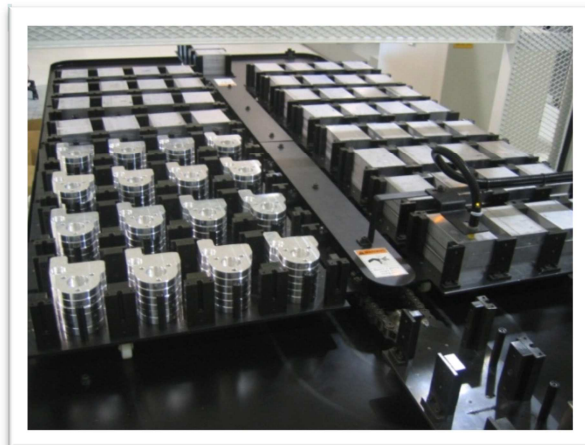


Lifting Rotary Stocker



Model		ARS-01
Pallet Quantity		4~10 Pallets
Stock Quantity		Max. 100 work pieces
Drive Type	Drive	Geared Drive
	Up/Down	Chain
Control Unit		Siemens / Omron / Mitsubishi
Power		AC 220V ± 10%, 50Hz

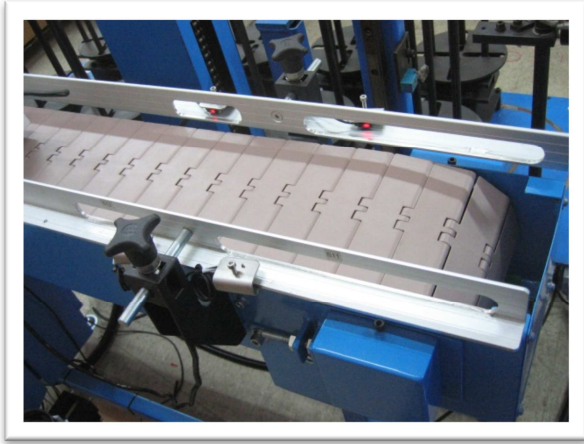
Stacking Rotary Stocker



Model		ARS-02
Pallet Quantity		User Specified
Stock Quantity		User Specified
Drive Type	Drive	Geared Drive
	Up/Down	NIL
Control Unit		Siemens / Omron / Mitsubishi
Power		AC 220V ± 10%, 50Hz

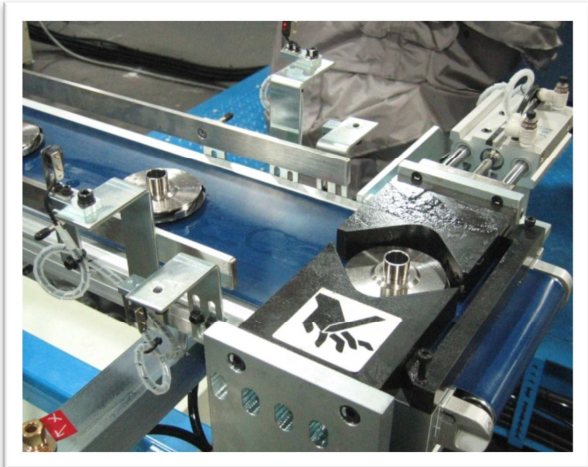


Flexi-link Conveyor



Model	ACY-01	
Conveyor Length	1,000 ~ 3,000 mm	
Conveyor Width	200 ~ 500 mm	
Drive Type	Drive	Geared Drive
	Lock	Nil
Control Unit	Siemens / Omron / Mitsubishi	
Power	AC 220V ± 10%, 50Hz	

Belt Conveyor



Model	ACY-02	
Conveyor Length	1,000 ~ 3,000 mm	
Conveyor Width	200 ~ 500 mm	
Drive Type	Drive	Geared Drive
	Lock	Pneumatic
Control Unit	Siemens / Omron / Mitsubishi	
Power	AC 220V ± 10%, 50Hz	



Roller Conveyor



Model	ACY-03	
Conveyor Length	1,000 ~ 10,000 mm	
Conveyor Width	200 ~ 500 mm	
Drive Type	Drive	Geared Drive
	Lock	Nil
Control Unit	Siemens / Omron / Mitsubishi	
Power	AC 220V ± 10%, 50Hz	

Hot Water Washing & Drying Machine



Model	AWS-01	
Cleaning Method	Spray	Hot Water / Pressurized
	Dry	Heater / Air Spraying
Control Unit	Siemens / Omron / Mitsubishi	
Features	Auto Drain Dirty Water	
Power	AC 220V ± 10%, 50Hz	



Solvent Washing & Drying Machine



Model	AWS-03	
Cleaning Method	Spray	High Pressured Solvent
	Dry	Air Spraying
Control Unit	Siemens / Omron / Mitsubishi	
Handler	Robot	
Power	AC 220V ± 10%, 50Hz	

Brushing Machine



Model	ABM-01	
Drive Type	Variable Speed	
Brush Material	PVC, Nylon, Wire Brush, etc	
Control Unit	Siemens / Omron / Mitsubishi	
Power	AC 220V ± 10%, 50Hz	



3-Axis Buffing Machine



Model		ABM-02
Buffing Spindle	Drive	Induction / Servo
	Type	Brush
Work Piece Holder		XY Table
Control Unit		IAI / Delta /Mitsubishi
Power		AC200V, 3 phase, 50Hz

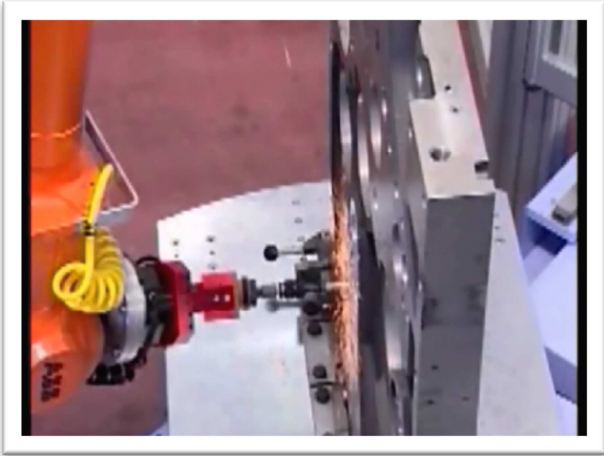
Deburring Machine



Model		ADM-01
Brushing Spindle	Drive	Variable Speed
	Type	PVC Brush - Air Motor
Work Piece Holder		Rotary Table with Chuck
Brush Material		PVC, Nylon, Wire Brush
Control Unit		Siemens / Omron / Mitsubishi
Power		AC 220V ± 10%, 50Hz



Robot Deburring Machine



Model	ADM-02	
Deburring Spindle	Drive	Variable Speed
	Type	Grinding Tool - Air Motor
Work Piece Holder 工件夹具	Rotary Table with Chuck	
Control Unit	Robot	
Power	AC 220V ± 10%, 50Hz	

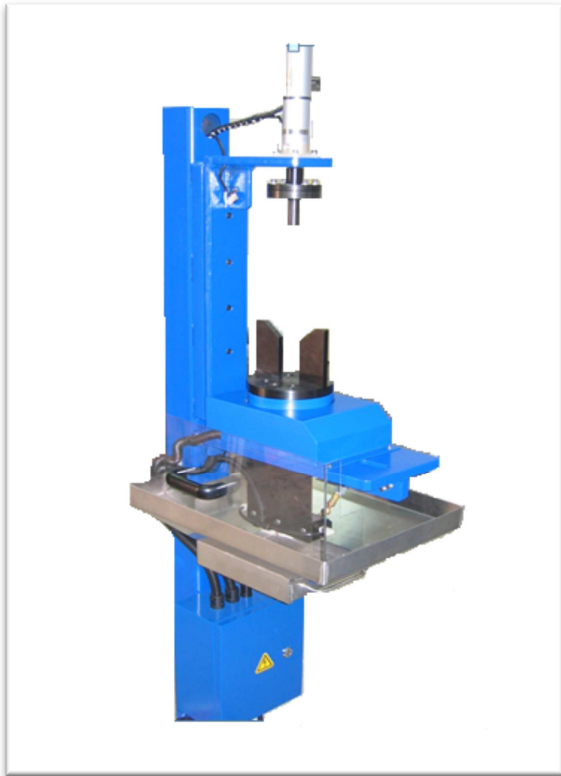
5-Axis Deburring Machine



Model	ADM-03	
Deburring Spindle	Drive	Servo
	Type	Diamond Wheel
Work Piece Holder	Rotary Table with Chuck	
Control Unit	Fanuc	
Power	AC415V, 3 phase, 50Hz	



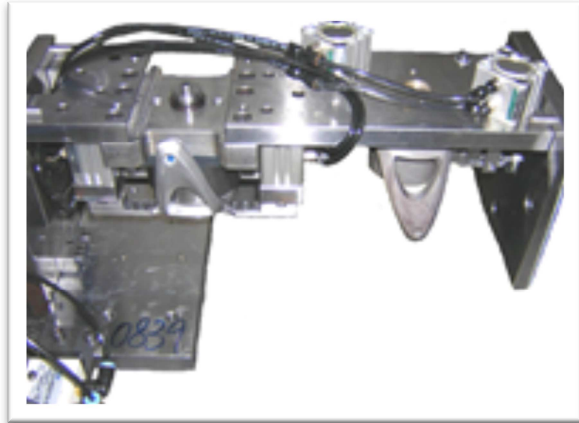
Inverting Unit



Model	ACS-01
Work Piece Holder	Rotary Table with Chuck
Pressure	5 to 6 bar
Control Unit	Siemens / Omron / Mitsubishi
Other Function	Spraying



Pneumatic Fixture



Model	APF-01
Cylinder	Toggle Clamp / Swing Clamp
Control	Multi Sequence
Pressure	5 to 6 bar

Hydraulic Fixture



Model	AHF-01
Cylinder	Toggle Clamp / Swing Clamp
Control	Multi Sequence
Pressure	100 to 300 bar



Oilmist Atomizer



Model	CF-01
Supply Air Pressure	Maximum 9.9kgf/cm ²
Oil Load Capacity	Max 2L (effective)
Number of Mist Exit(s)	2
Weight of Main Body	15 kg
Specification of Main Bod	W160 x D175 x H350
Mist Oil Usage	2-20 cc/H

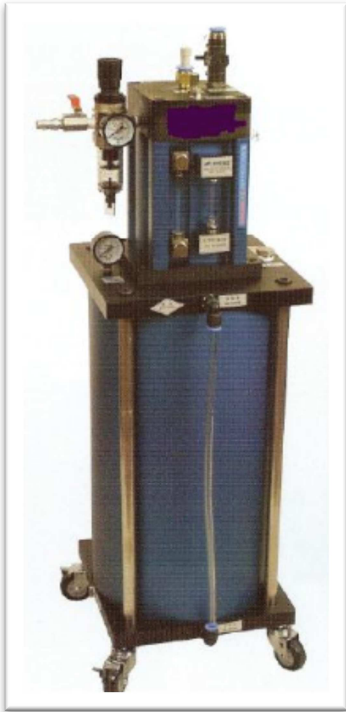
Oilmist Atomizer



Model	CF-02
Supply Air Pressure	Maximum 9.9kgf/cm ²
Oil Load Capacity	Max 1L (effective)
Number of Mist Exit(s)	1
Weight of Main Body	11 kg
Specification of Main Body	W160 x D175 x H350
Mist Oil Usage	2-20 cc/H



Oilmist Atomizer



Model	CP-01-TK
Supply Air Pressure	Maximum 9.9kgf/cm ²
Oil Load Capacity	Max 20L
Number of Mist Exit(s)	1
Weight of Main Body	28 kg
Specification of Main Body	W255 x D262 x H825
Mist Oil Usage	10-100 cc/H

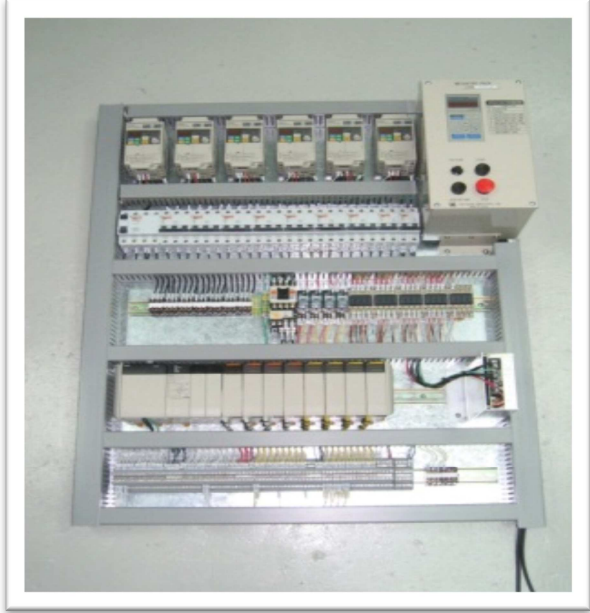
Nanomist Oil



Model	Mist Oil
Type	Vegetable Oil
Capacity	4l, 10l, 20l
Advantages	Increase tool life 1.5 ~ 3 times
	Cutting speed becomes faster over 1.5 ~ 3 times
	Fit to ISO 14001
	Not harm to human body



Controller



Model	ACP-01
Type	Programmable Logic Controller
Brand	Siemens / Omron / Panasonic / Mitsubishi
Interfacing	Input / Output / DeviceNet / Profibus

Touch Screen



Model	ATP-01
Brand	Siemens / Omron / Panasonic / Hakko / Proface
Size	5" / 8" / 10"
Screen	Colour or Monochrome

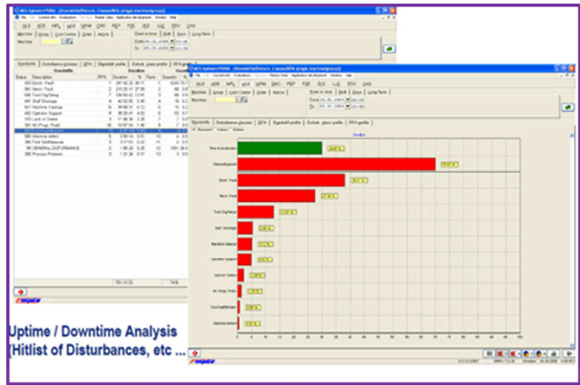
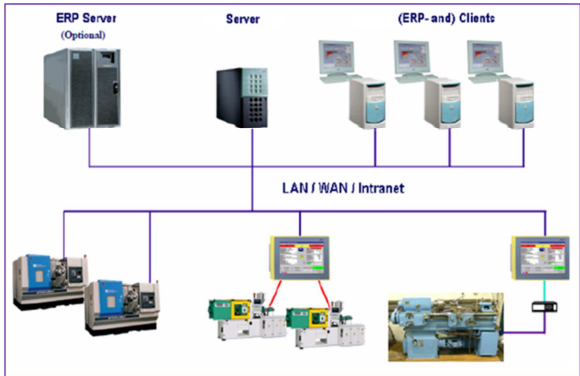


Remote Service System



Model	RSS-01
Control Unit	Siemens / Omron / Panasonic
Features	Remote Inspection & Service
	Remote PLC Program Modify
	Remote Improvement Activity
Protocol	DeviceNet / Profibus

Intelligent Management System – IMS



Model	IMS-01
Control Unit	Server & Computer
Features	Display Part Cycle Time
	Record Machine Machining Time
	Production Order Data Management
	Machine Data Management
	Shop Floor Planning
	Record can be prepared in Excel
Connection	LAN Cable / Wireless



Wireless Master Module



Model	VMS-MAS-V01
Control Unit	Computer
Function	Receive and Transmit Data from Wireless Module
Feature	Data will send to PC for processing through USB Port
Protocol	USB Port

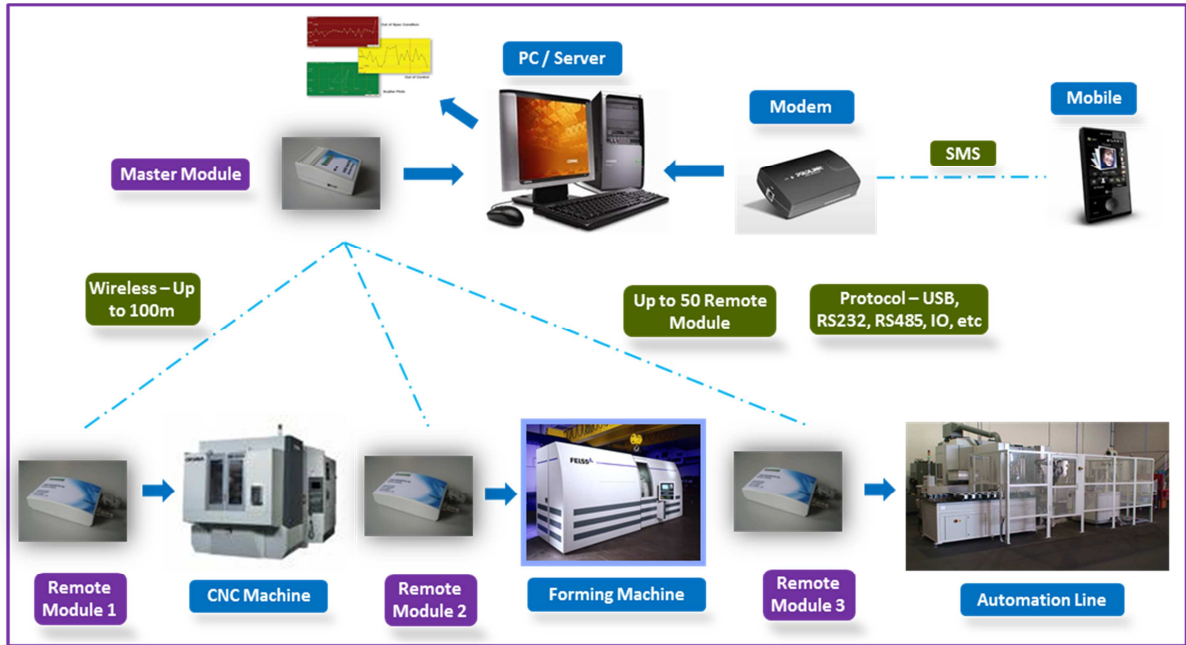
Wireless Module



Model	VMS-RIO-V01
Function	Plug & Play to External Peripheral
	Receive and Transmit Data from Wireless Master Module
Features	Programmable 8 Input / Output
	Configurable Analogue or Digital Signal
Protocol	RS232, RS485, USB, Micro USB



Application – Wireless Module



Robot



Model	ARS-01
Brand	ABB / YASKAWA / FANUC / EPSON / DENSO / KUKA
Load	3 kg ~ 500 kg
Envelop	0.58 m ~ 2.55 m
Gripper	Pneumatic or Hydraulic - Single or Twin Gripper
Application	Load & Unload, Polish, Debur

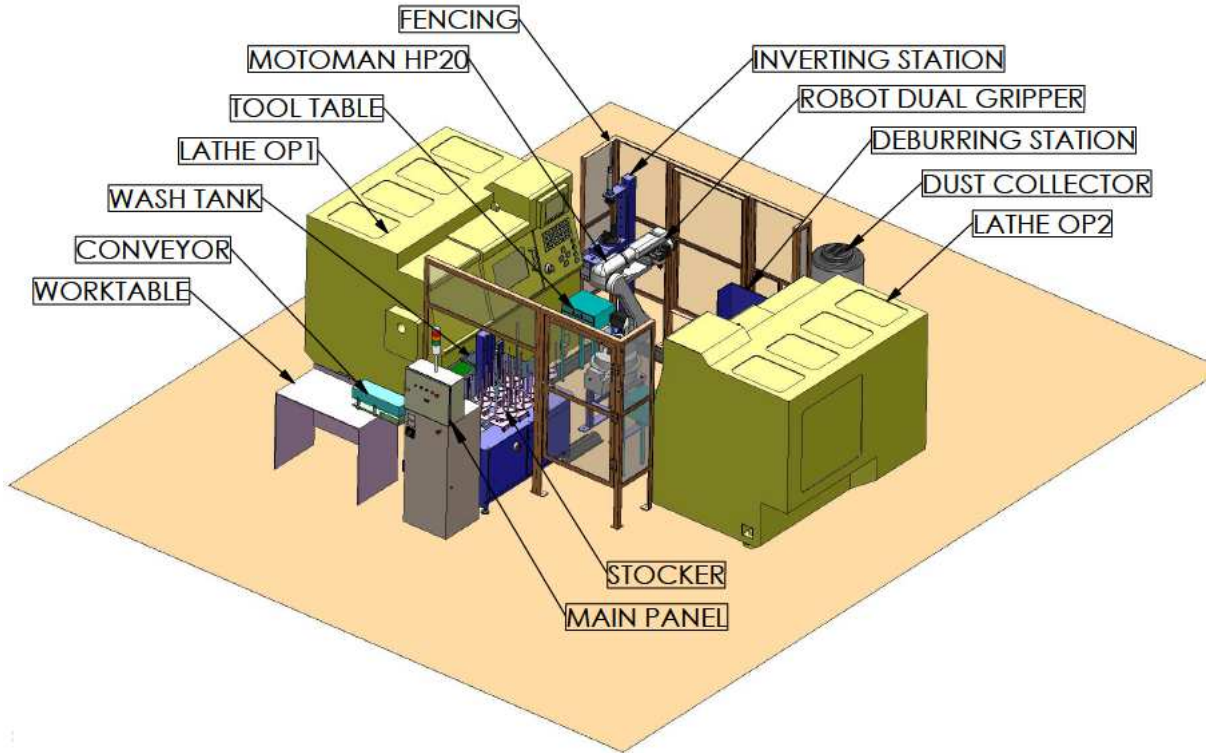
Gantry



Model	AGS-01
Control Unit	Siemens / Omron / Mitsubishi
Load	3 kg ~ 1000 kg
Length	5 m ~ 20 m
Gripper	Pneumatic - Single or Twin Gripper
Application	Load & Unload



Applications - Robot



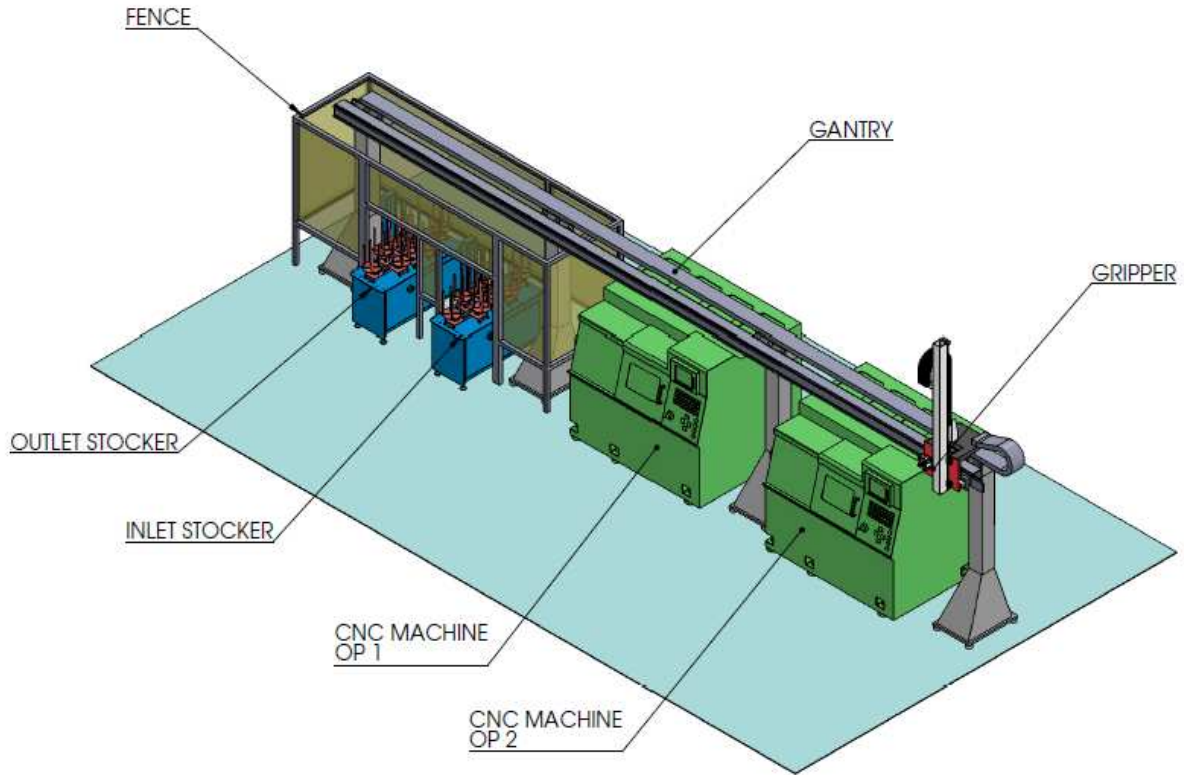
Robot Specifications

Specifications	Robot
Operations	Picking up the part from Stocker and loading it on machine and finished part will be unloaded on the Conveyor
Control Axis	6 (Vertically articulated)
Payload	5 to 20kg
Repeatability	+/- 0.05 mm
Maximum Envelope	R 1,717 mm
Gripper	Two / Three jaw internal Gripper
Robot Brand	Yaskawa, Epson, Denso, Fanuc, ABB, etc.
Power supply	200V / 50 Hz +/- 10%, +/- 0.5Hz, 2.8kVA
Control voltage	24V DC
Air pressure required by Robot system	5 bar +/- 0.5

* For higher payload, the specifications will varies. Please provide detail of part drawing and weight for more accurate specifications.



Applications - Gantry



Gantry Specifications

Specifications	Gantry
Operations	Picking up the part from Inlet Stocker and loading it on machine and finished part will be unloaded on the Outlet Stocker
Payload	5 ~ 25 kg
Stroke	
Y axis (horizontal)	10,000 ~ 50,000 mm
Z axis (vertical)	1,200 mm
Speed of Y & Z	90 m/min & 60 m/min
Acceleration Y & Z	2m/s sq.
Construction	Timing Belt with LM Guide / V guide with Rollers, Carriage, etc.
Drive	Servo Electric & Pneumatic for Gripper
Gripper	Two / Three jaw internal Gripper
Control	Mitsubishi / Omron PLC
Power supply (voltage)	200V / 50 Hz +/- 10%, +/- 0.5Hz
Control voltage	24V DC
Air pressure required by Gantry system	5 bar +/- 0.5

* For higher payload, the specifications will varies. Please provide detail of part drawing and weight for more accurate specifications.



Our Automation Systems can Integrate with many Worldclass CNC Machines

GERMANY - DMG



**JAPAN - MAZAK / FANUC
OKUMA / MAKINO**



TAIWAN - YCM / OTHERS



Partner / Representative / Agent

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