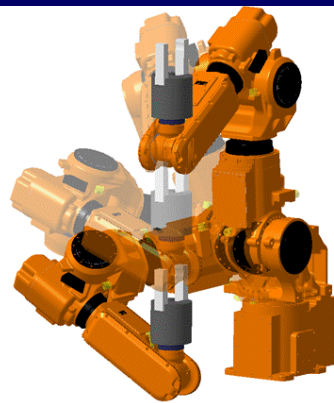
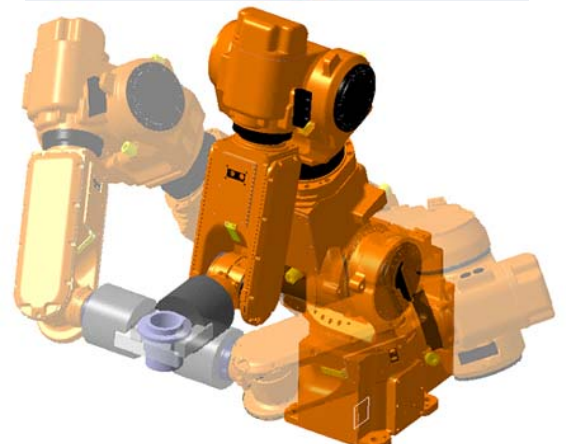


Unique 7-Axis Space-Saving Robot

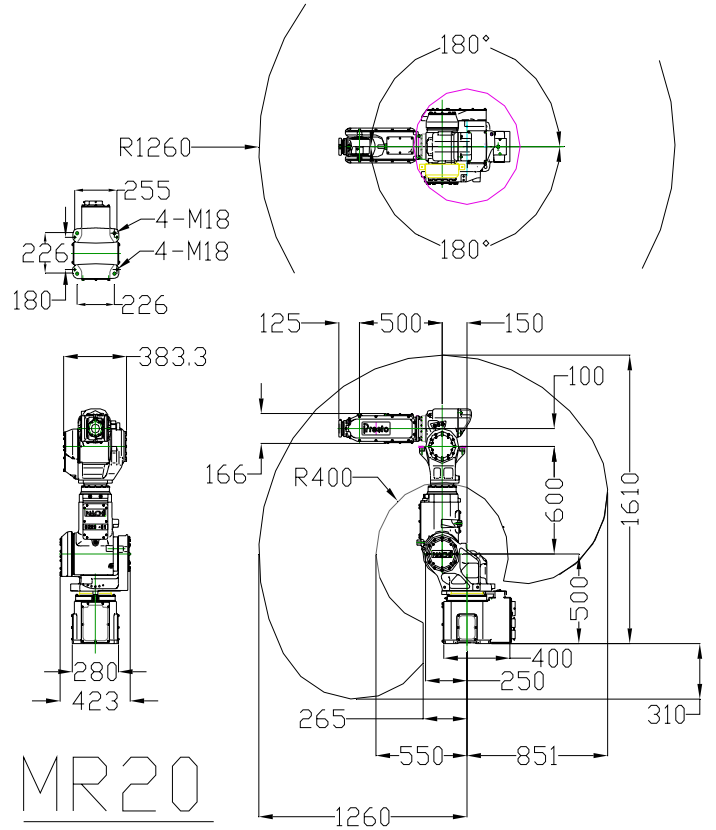
- Unique 7-axis design has the industry's largest payload capacity (30kg)
- Compact design has a powerful arm with a wrist torque 1.5 that of comparable-sized robots
- Arm design avoids singularity motion by providing multiple posture solutions for the same working TCP
- Emulates the motions of a human arm
- +/- 0.1mm repeatability
- Horizontal reach of 1260mm
- Arm can be inverted or floor mounted
- IP65 compliant
- Supports slides, tooling, and positioners
- Ideal for machine tending, assembly, material handling, and case packing
- Cooperative motion allows multiple arms to work together for assembly processes or increased payload capacities



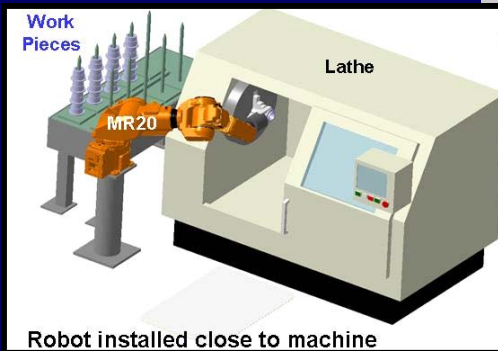
Presto MR20 Robot

Specifications				
ITEM		MR20		
Robot Type		30kg Payload Max.		
Construction		Articulate		
Number of Axis		7		
Drive		AC servo motor		
Maximum Stroke	Arm	J1	Swivel 1	+/- 180°
		J2	Back &	+120° ~ -55°
		J7	Swivel 2	+/- 180°
	Wrist	J3	Up & Down	+135° ~ -166°
		J4	Rotation 2	+/- 180°
		J5	Bend	+/- 135°
Maximum Velocity	Arm	J6	Rotation 1	+/- 360°
		J1	Swivel 1	170°/sec
		J2	Back &	170°/sec
	Wrist	J7	Swivel 2	170°/sec
		J3	Up & Down	170°/sec
		J4	Rotation 2	250°/sec
Loading Weight	Wrist	J5	Bend	250°/sec
		J6	Rotation 1	300°/sec
		30kg Max		
Wrist Torque	Wrist	J4	Rotation 2	8.24kg · m
		J5	Bend	8.24kg · m
		J6	Rotation 1	4.5kg · m
Allowable Moment of Inertia	Wrist	J4	Rotation 2	6.0kg · m ²
		J5	Bend	6.0kg · m ²
		J6	Rotation 1	2.3kg · m ²
Repeatability		+/- 0.1mm		
Ambient Temperature		0~45°C (32~113°F)		
Installation		Floor, Inverted		
Environmental Compliance		IP65 Compliant		
Robot Body Weight		220kg		

Operating Range



Example of loading system using the MR20



Loading system using conventional type robot

