

### Nachi Introduces the Unique 7-Axis MR Robot

Nachi introduces the new Presto MR20 robot. The robot arm features a unique 7-axis design supporting up to a 30kg payload capacity. The unique 7th axis design allows the robot to closely emulate the motions of a human arm enabling it to perform more complicated work processes in constricted work areas.

The MR20 was designed to provide a compact arm and powerful body with a wrist torque 2 times that of comparable-sized robots. The unique 7-axis design allows the arm to avoid singularities while providing multiple posture solutions for the same work TCP. (see *Diagram 1*)

The MR20 features a horizontal reach of 1260mm, a repeatability of +/-0.1mm built on a compact base, two 6mm through-arm pneumatic lines, 18 conductor signal cable, and through-arm support for servo gripper tooling. The arm is controlled by the Nachi AX20 series controller and has a simplified programming solution that utilizes the primary 6 axis unless selected by the programmer.

The MR20 is ideal for machine tending, material handling, and case packing. And, when coupled with the Nachi NV-AX vision system, it can solve your bin picking and product assembly applications.

Nachi Fujikoshi's Robot Division was established in 1969 as a worldwide supplier of robots, becoming the #1 supplier of spot-welding robots in Japan (1997 & 1998). Their high-quality robots handle payloads from 4kg to 700kg are applied to spot and arc welding, material handling, machine load/unload, palletizing, sealing and many more repetitive tasks.

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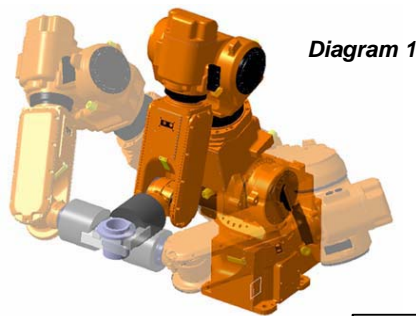
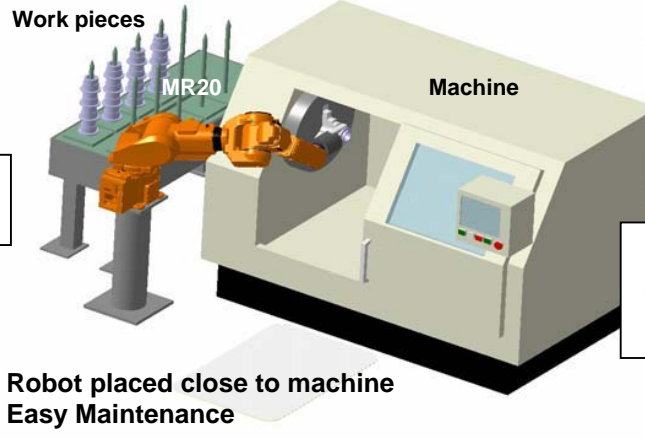


Diagram 1



#### Loading System with Nachi MR20

Install the robot at the side of the machine and open space in front of the machine



Robot placed close to machine  
Easy Maintenance

Maximize flexibility and floor space with Nachi MR20 robot