

## System Profile

- Machine Tending



**Integrated Systems, Inc** designed and built a machine tending system for Ingersoll-Rand utilizing an ABB IRB 7600 mounted to a 70' track. The robot tends seven different machine tools. The robot picks a 400# piece of bar stock from the infeed and after processing it through the machine tools, places a finished rotor on the outfeed. The robot utilizes a tool changer to swap between two EOATs.

The seven machine tools are from different manufacturers and none had automation interfaces prior to integration.

### ABB Products used

- IRB 7600 robot

### Integrated Content

- Customized PLC/HMI controls
- Customized automation interfaces with each machine tool
- Two EOATs with tool changer
- 70' servo track

### Customer Benefits

- Reduction in manpower
- Elimination of ergonomic issues
- Cycle time improvement