

# Assembly Line for Independent Front Axle



Facts	
Industry	Automotive
Product	Front Axle
Installation Date	1998, 2002
Description	Assembly line produces the front axle assembly for a four wheel drive vehicle. A single loop non-synchronous power roll MS-7 transport delivery system. System assembles eight (8) different models.
Equipment	4 ABB robots 13 automatic stations 5 semi-automatic stations 10 manual work stations
Customer Benefits	Patented shim selection and robotic processing increases production Minimal floor space usage Off-line work stations provide ensured quality by allowing only good parts to enter the assembly line



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Technical Data	Capacity: 320,000/year Cycle Time: 39 seconds
Unique Elements:	ABB patented robot shim selection
Customer Provided Equipment	N/A
Project/Steps to Implementation	Concept Specification Prototype Engineering Project management Manufacturing Installation supervision Installation Training
Project Responsibility:	Powertrain
Video/Photos/Reference:	Yes