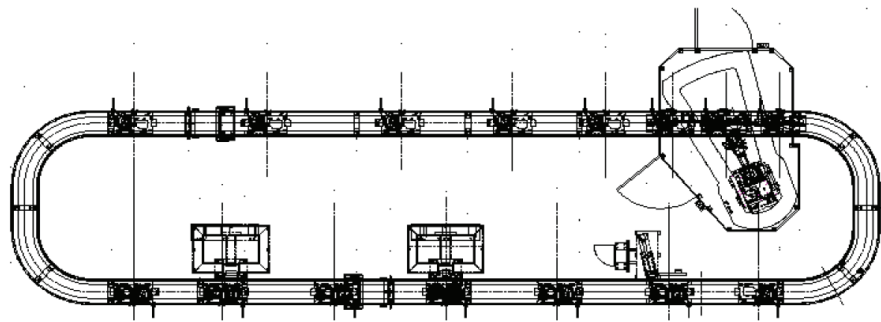


ROBOTICS

# System profiles

## Transmission

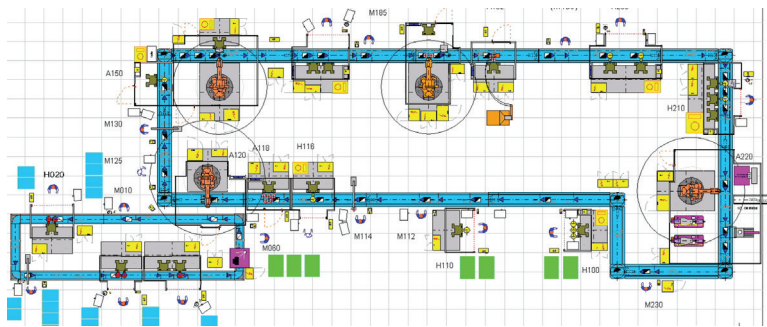


### CVT Low Volume Assembly

- 50,000 transmissions p.a.
- 300 sq. meters
- 1 ABB robot
- 6 Auto and semi-auto stations
- 5 Manual stations

- 50 Meters of non-powered conveyor
- Designed for future automatic transfer
- 25 Week delivery. Order 12-14-04. Delivered 6-8-05
- Installation in 2 weeks. Three weeks at 100% capacity
- Current process being benchmarked
- Reference available upon request



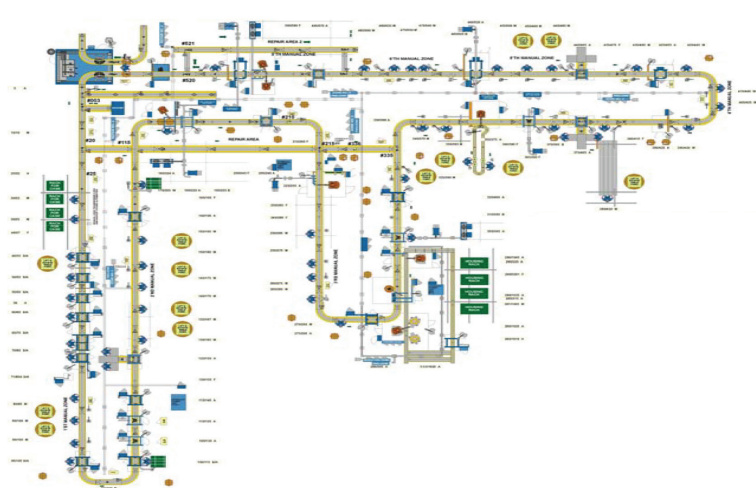


01

- 01 6-Speed Manual Assembly
- 02 Auto Transmission Assembly
- 03 6-Speed Manual Assembly
- 04 Auto Transmission Assembly

### 6-Speed Manual Assembly

- 250,000 –300,000 transmissions p.a.
- 640 sq. meters
- 4 ABB robots
- 6 Automatic stations
- 8 Semi-automatic stations
- 9 Manual stations
- 114 Meters of conveyor



02

### Auto Transmission Assembly

Sold 1996. Continuous support since the original line, including the following implementations.

- Station 95 Snap ring automatic station.
- Station 225 Vacuum system EOAT
- Station 265 Automatic run down station
- Three manual zones changed over to high speed zones
- Pallet washer
- Station 615 Cooler fitting run down
- Station 685 Run down of leak check station
- Station 285 Manual shim gage
- PEZEV retool with “zero loss start up”
- Sta 380 Torque converter “Force Control” installation

03



04



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