

FORD MOTOR COMPANY

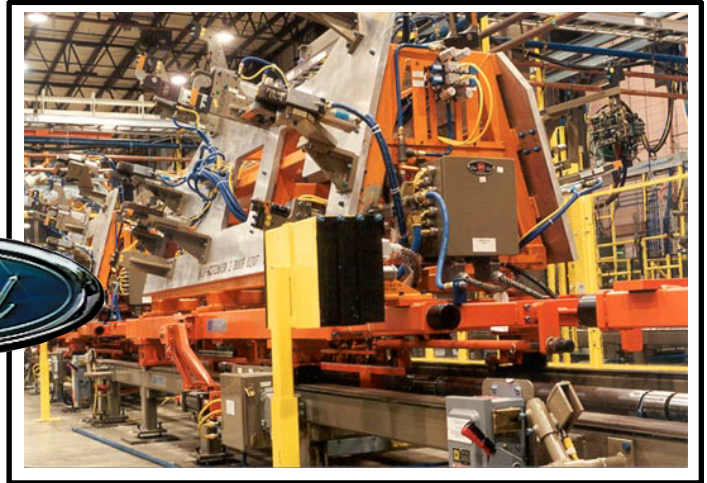
Louisville, Kentucky

Kansas City, Kansas

St. Louis, Missouri

Description

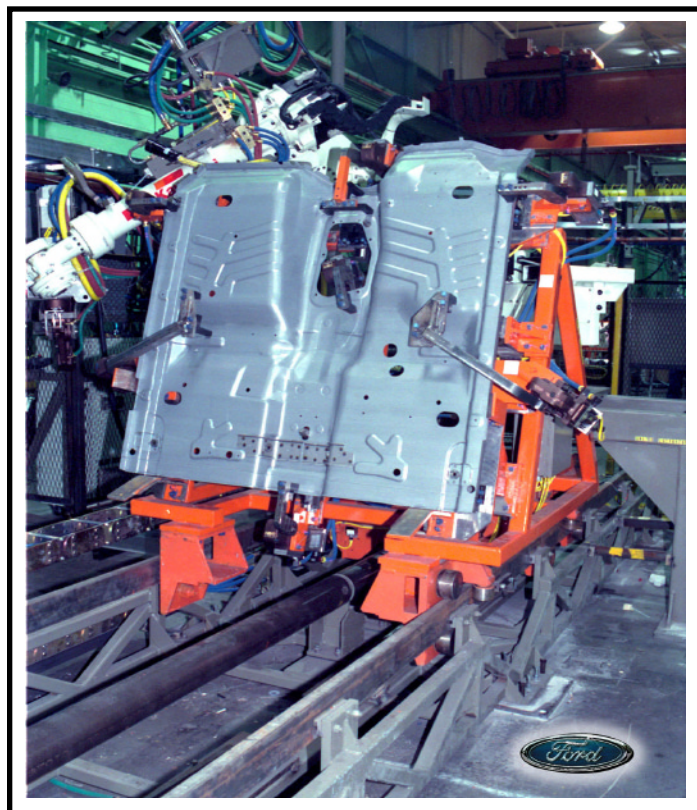
SI furnished a side body Cartrac® system for each of the Ford facilities above. Each system consists of two loops, one for the right hand side body and one for the left hand side body. All stations requiring precision will have location repeatability of ± 0.5 mm in all three planes. The Cartrac® carriers have the ability of moving forward or in the reverse direction throughout the system. The carriers will have mounted to them an "A" frame fixture so a side body can be mounted on either side. The side body is clamped to the "A" frame and is transported through a series of robotic welding stations.



Equipment provided includes:

Each system consists of:

- 500 ft. Cartrac® Conveyor
- 24 Precision Stations (± 0.5 mm)
- 6 Non-Precision Stations
- 8 Turntables
- 28 Precision Carriers
- 2 Maintenance Spurs



FORD MOTOR COMPANY

Truck Assembly Plant, Ontario Truck Plant, Louisville, Kentucky Ontario, Canada

Description

Robodrivelite® is a high-speed linear transfer system used to transfer split floor pans to / from a robot cutting and welding station. Robodrivelite® indexes 11 ft. in 4 seconds carrying parts between the load station and the robotic workstation.



**PRODUCTION &
ASSEMBLY SYSTEMS**

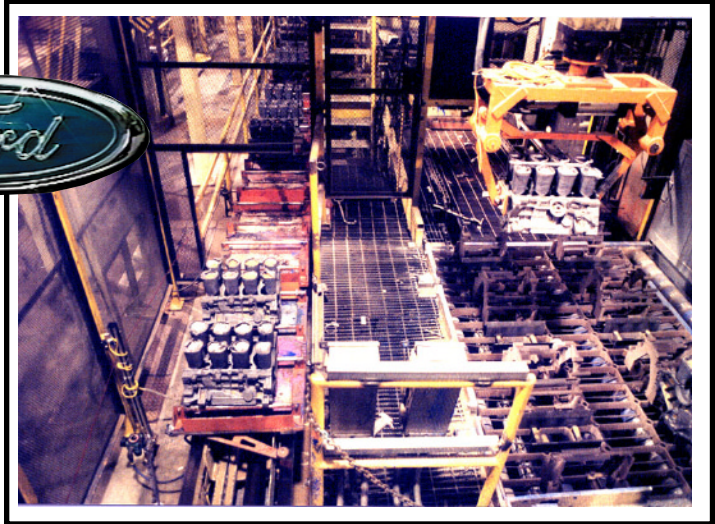
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www.sipasystems.com

FORD MOTOR COMPANY

Windsor Aluminum Casting Plant
Windsor, Ontario

Description

Robolite®, the 500 lbs. payload capacity, member of the Cartrac® family is used at Ford's Windsor Aluminum Casting Plant to transport sand cast engine cores through the manufacturing and deburring operations. Robolite® provides the high throughput capability along with the high uptime and precision in-station accumulation required by this application. Additionally, Robolite®, with its sealed for life bearings and open bottom track cavity, eliminates any adverse operation performance due to sand accumulation in this harsh manufacturing application.



Engine Core Transport Application

Equipment List

- 236 ft. Robolite® Conveyor
- 13 Stations
- 4 Turntables
- 35 Carriers
- 180 Jobs per Hour

FORD MOTOR COMPANY

Wixom Assembly Plant
Wixom, MI

Description

SI Cartrac® system is used in an underbody assembly application at Wixom. Cartrac® carriers outfitted with specially designed fixtures are loaded with unfinished floor pans. Carriers are transported through a series of precision accumulation workstations where robotic spot welding, final welding and framing operations occur to complete the vehicle underbody assembly.



Equipment List

- 430 ft. Cartrac® Conveyor
- 7 Precision Stations (...005")
- 10 Non-Precision Stations
- 4 Turntables
- 1 Drawbridge
- 13 Precision Carriers

The Smart Choice