

CLIENT

FUTURiS

[Formerly Air International]

AUSTRALIA CHINA NORTH AMERICA

FUTURIS AUTOMOTIVE INTERIORS
AUSTRALIA PTY LIMITED
Cnr Golden Grove Road and Einstein Drive
Golden Grove South Australia 5125

T 08 8251 0002
F 08 8251 2167
E staylor@futurisautomotive.com

CPE is a family business of more than forty years standing with the third generation now active in the business. CPE is a multi faceted company with four main areas of design and manufacture, Marine, Services, Heavy Lifting, and Automation. To automate the manufacture of their front seat cushion and front seat backs FUTURIS, formerly known as Air International chose Crib Point Engineering to design, manufacture, supply, install and commission the turnkey package. The package comprises four robot welding cells, a final assembly machine, and a pressline combined with the weld cell that fabricates the front seat cushion.

PRIME CONTRACTOR

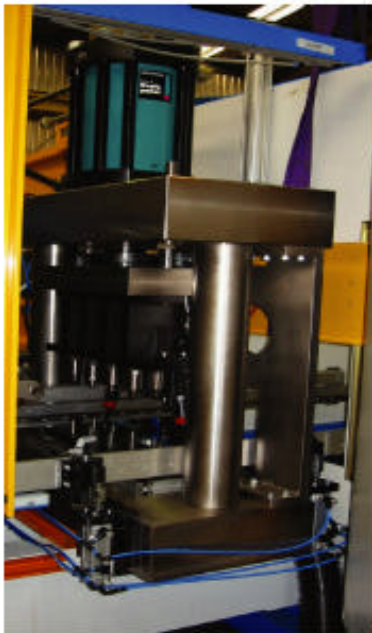


CRIB POINT ENGINEERING PTY LTD
Engineering Excellence

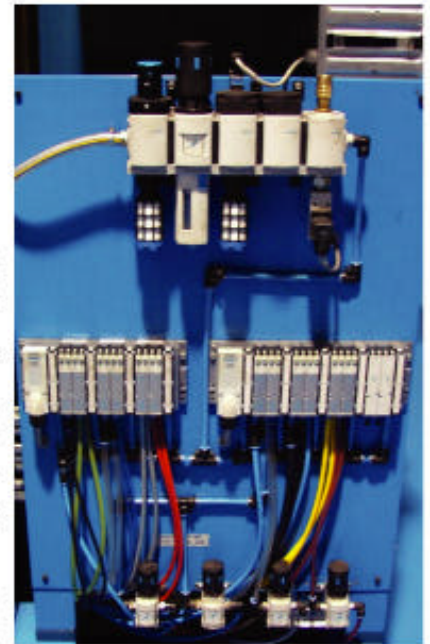
BEACH DRIVE HASTINGS VICTORIA 3915, AUSTRALIA
PH: (03) 5979 1703 FAX: (03) 5979 3323
cpe@cpe.net.au www.cpe.net.au



ROBOT WELDING CELLS AND COMBINED PRESS LINE FOR THE MANUFACTURE OF HOLDEN VE SEATS



The above right hand photo shows the final assembly machine which is part of the package and is used to insert the mat and springs into the cushion fabrication. All cells have three robots, two for welding and one for handling and checking. The weld fixtures of which there are five per cell mounted on an NC rotary table can be changed into any of three cells for guaranteed production during service times. The fourth cell is used only for the fabrication of the seat cushion and is directly connected to the press line. The parts from this cell are passed by the robot directly into the press. The press line punches seat anchor bolt holes, places the bolts, swages them, tests their fixing; then an additional plate is added by an operator and then the over head transfer unit passes the two components into the TOX press for fastening which ensures the highest level of safety, and each TOX fixing is monitored. The TOX system was selected because of speed, quality and the safety critical nature of the seat cushion. With such a complex seat construction machine task, Crib Point required a pneumatic supplier to bring more than just offering product. For this project Festo was the obvious choice offering product reliability, global support and service, the key customer values for the project.



JOINING TECHNOLOGY

TOX PRESSOTECHNIK

- Joining Technology
- Force Actuation Technology
- Press Technology



(03) 8786 3511
www.tox-au.com

In addition to these key values, Festo was able to offer a comprehensive and speciality range of products throughout the entire production process which included:

- * ISO technology - cylinders for the core process.
- * Rodless guided cylinders - speciality application with reducing installation space and time.
- * Valve terminal technology - one central point for system valving.
- * Air service equipment - complete range for clean air system.
- * Software technology - application calculation tools.
- * Documentation - drawing documentation for customer system guide.

PNEUMATIC CONTROL

FESTO

Global Automation
Tel: 1300 88 96 96
www.festo.com.au