

Core-Tech, Inc



INNOVATE, DESIGN, ENGINEER, MANUFACTURE

Core-Tech, Inc

INNOVATE, DESIGN, ENGINEER, MANUFACTURE

Design

Rim Molding

Injection Molding

Metal Stampings

Extruded Multi-Layer Plastic Profiles

Extruded Aluminum Profiles

Molds

Dies

Secondary Equipment/Check Fixtures

Design Software

- Catia V4, V5 version 16, 17,18 and 19
- Unigraphics NX3
- Ideas versions 10, 11, 12 and Ideas NX5
- AutoCad
- Ford Teamcenter capabilities for Ideas and Catia
- Ford FDX data transfer capability
- Icemsurf Class A surfacing tool

RIM Molding

We have extensive capabilities with RIM Molding Front and Rear Fascias.

Our market focus and niche are low - medium volume production runs.

Our tooling focus is predicated off of the specific program requirements...epoxy,

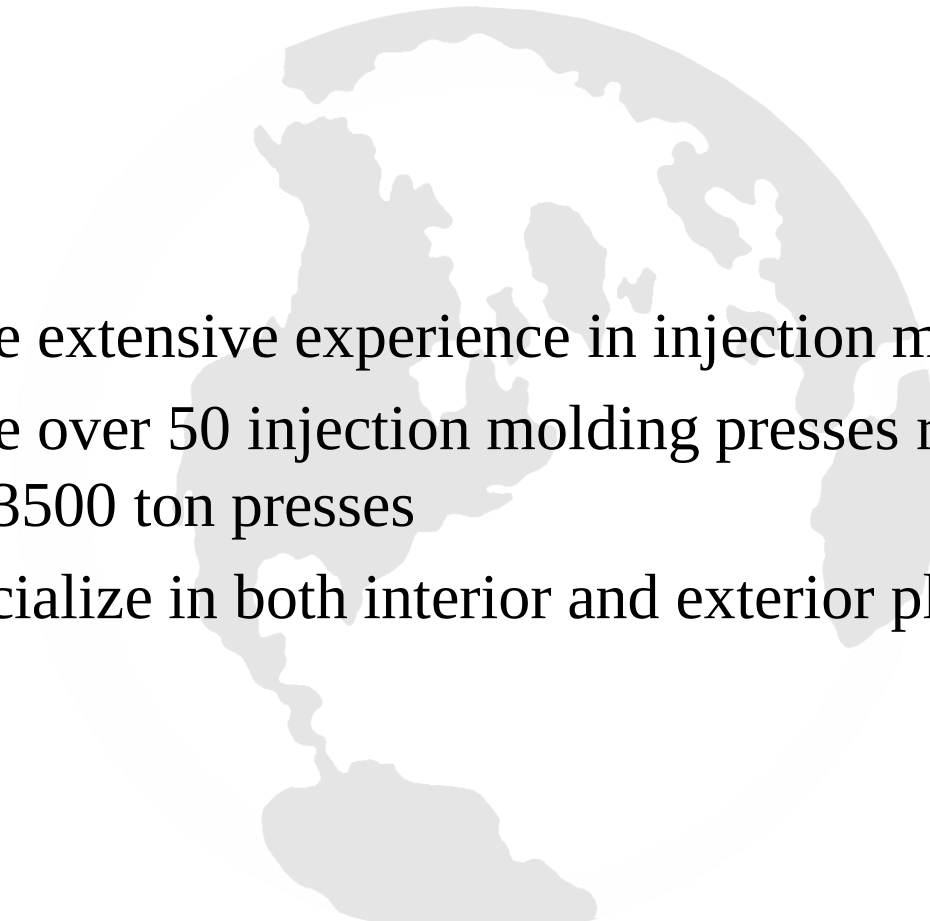
Aluminum and/or steel tooling. Our production facility utilizes (6) presses

ranging from 75 – 150 Ton.

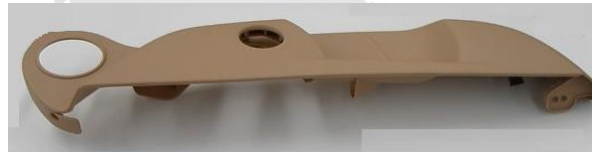


RIM Molding

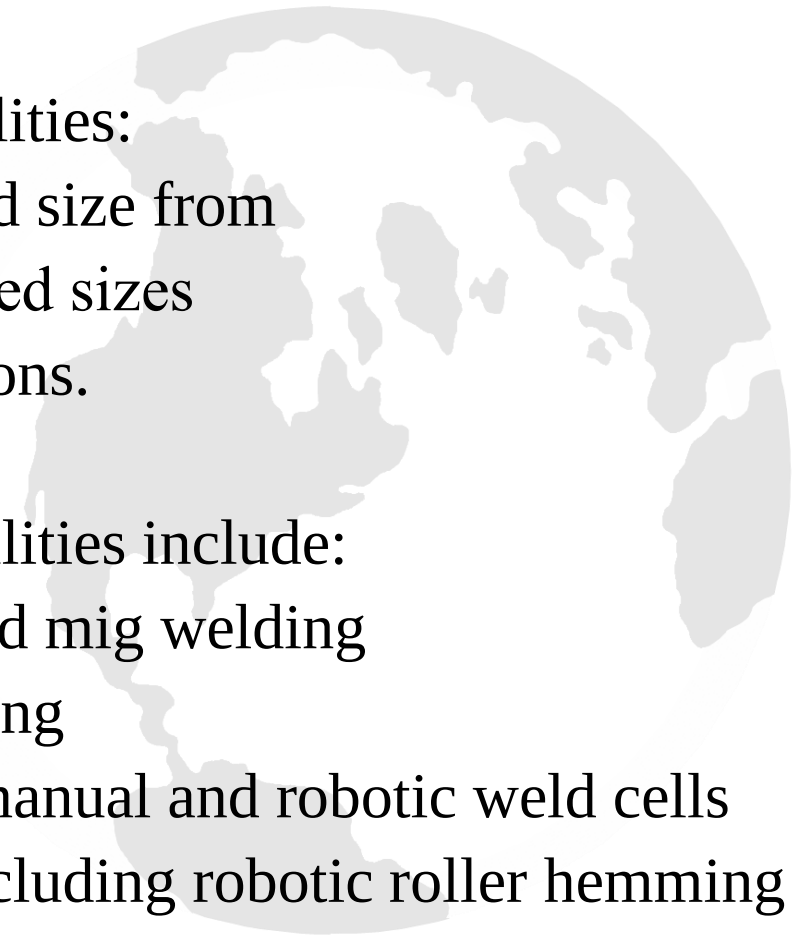
Injection Molding

- 
- We have extensive experience in injection molding.
 - We have over 50 injection molding presses ranging from 75-3500 ton presses
 - We specialize in both interior and exterior plastic parts

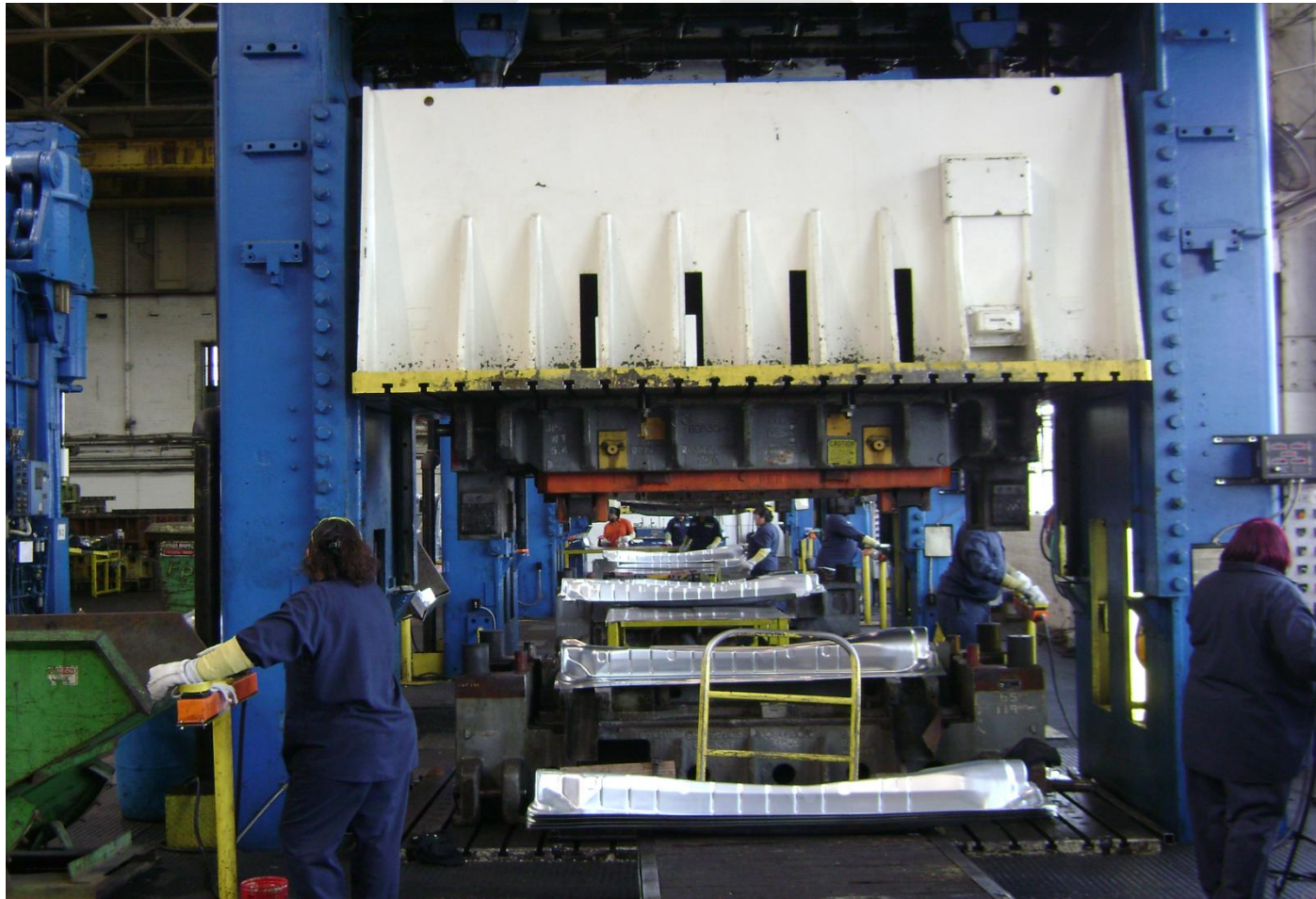
Interior Trim Components



Stamping

- Stamping capabilities:
 - 29 presses bed size from
 - 84” to 180” bed sizes
 - 250 – 1,600 tons.
 - Assembly capabilities include:
 - Resistance and mig welding
 - Robotic riveting
 - Automated, manual and robotic weld cells
 - Hemming, including robotic roller hemming capability, and
 - Laser Cutting
- 

Stamping Presses



Hydraulic Hemming Press



Robotic Weld Cell/Laser Cutter

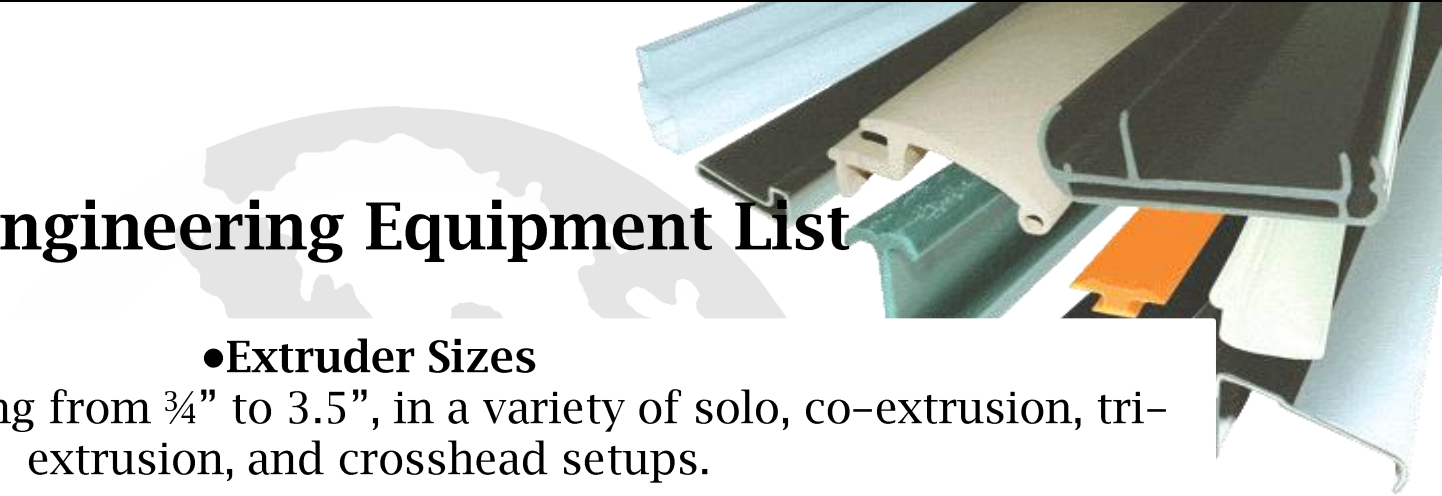


Extrusion

•Engineering Capabilities

- We can extrude a wide variety of resins, including:
 - Flexible PVC
 - Rigid PVC
 - ABS, Polystyrene, and styrenics
 - Polypropylene
 - HDPE, HMWPE, LLDPE
 - TPOs and other olefins
 - Polycarbonate
 - Acetal
 - Nylon
 - C.A.B and other cellulosics
- TPEs including Santoprene® and other brand names.





●Engineering Equipment List

●Extruder Sizes

20+ extruders ranging from ¾" to 3.5", in a variety of solo, co-extrusion, tri-extrusion, and crosshead setups.

●Ancillary Equipment (partial)

Multiple haul-offs, fly-knife cutters, and saws.

Multiple desiccant and 'pizza oven' style resin dryers.

Spoolers and winders of various speeds and sizes.

Grainers, embossing stands, and texturizing roll stands.

Tape and laminate application stands.

●Secondary Equipment (partial)

Off-line notchers, punch presses, drill stations, slitters, edge cutters, forming stands, welders, and many more.

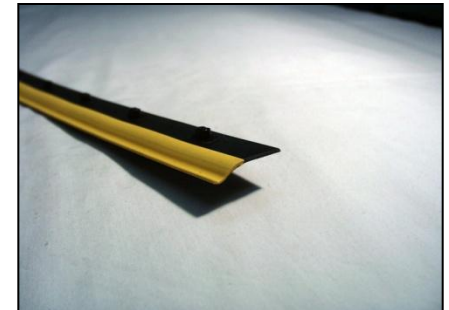
Extruded Profiles

We can produce single and multiple layer TPV, Polypropylene, CPVC, and PVC extrusions, laminate proprietary pressure sensitive adhesives and die cut. We use an environmentally-friendly Water Blown Foam technology, and re-process resins for recycling.

- **Single or multiple layer extrusions, Low-friction slip coating, Flocking**



Tube



Multi-layer profile extrusions



Seal/hole plug



Solid extrusions

•High Speed Machining for Components 180"x 100"x 60"



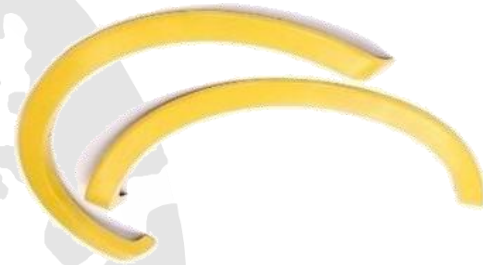
•High Speed Machining for Components 60"x 40"x 20"



•Exterior Plastics Moulds



•Wheel Liners and Underhood Components



•Wheel Lip Moulds and Claddings



•Bumper Covers and Fascias

•D-258 Interior Hard Trim

•C-Pillars



•B-Pillar
•Assemblies



•Front Door Scuffs



•Interior Plastics Moulds

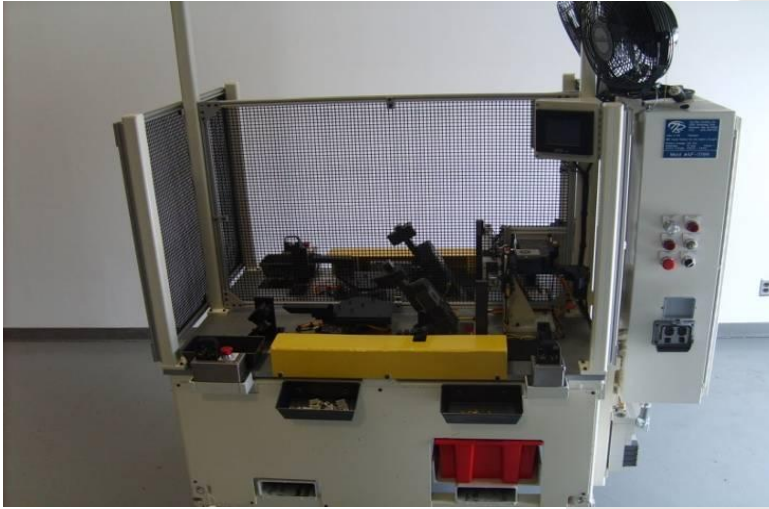


•Pillar Trim

•Quarter Panel Trim

•Door Trim

CUSTOM SECONDARY EQUIPMENT

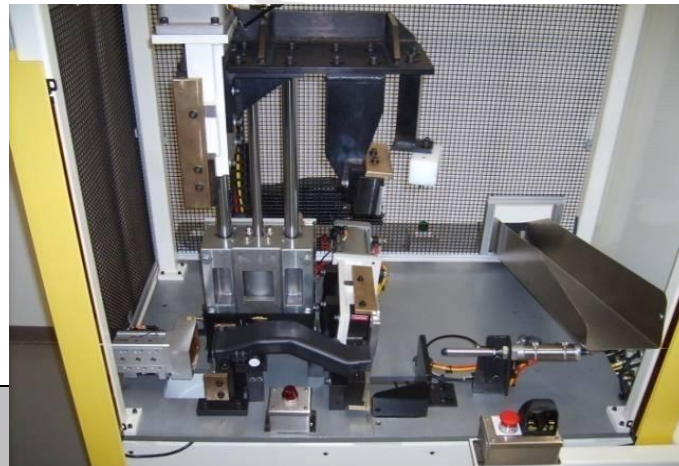


GMT745 CARPET RETAINER DEGATE & CLIP DRIVER
POKE YOKE MACHINE



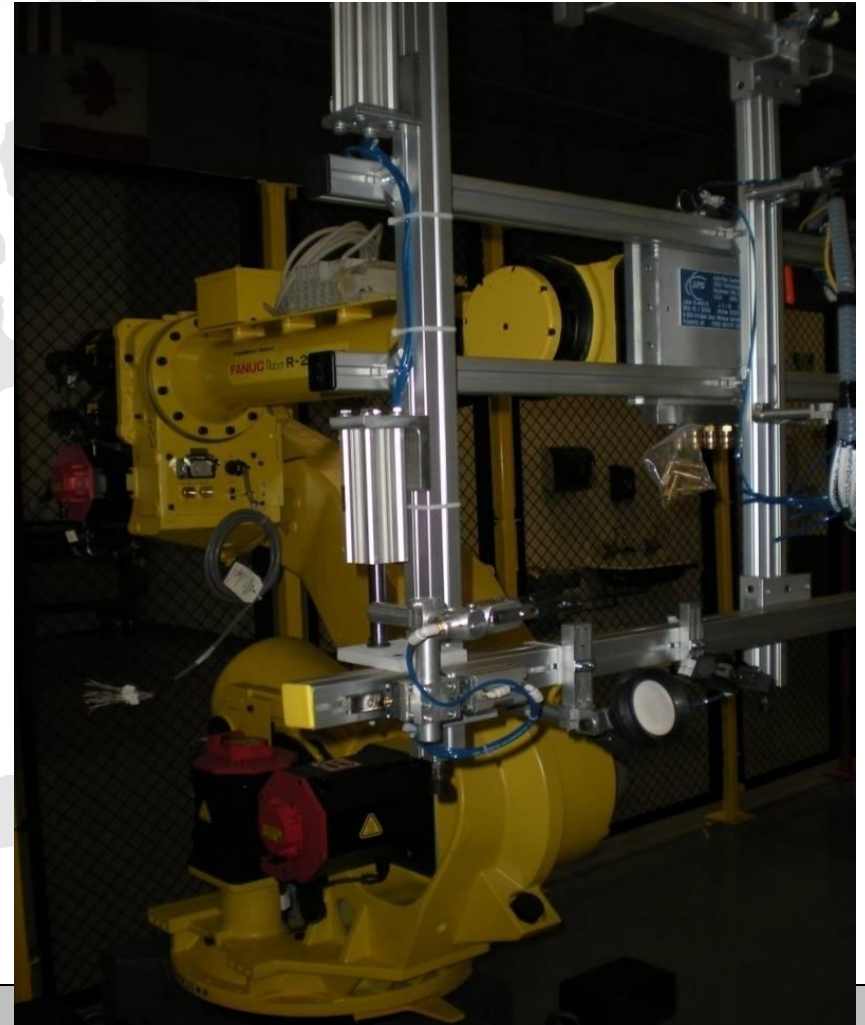
GMT901/902 DUCT BUBBLE CUT / PUNCH & PRESSURE
TEST POKE YOKE MACHINE

TOYOTA 462L BUBBLE CUT &
LEAK TEST POKE YOKE
MACHINE



FANUC ROBOTIC INTEGRATION

FORD D258 FRONT & REAR DOOR GARNISH 6-AXIS FANUC ROBOT WORKCELL



AUTOMATION EXPERIENCE

Custom Secondary and Automation Equipment

•CUSTOM MACHINE CAPABILITIES:

- Degating
- Clip Driving And Poke Yokes
- Vision & Color Sensing
- Pressure & Leak Testing
- Film Load Cell
- Sonic Welding
- Vibration Welding
- Hot Plate Welding
- Punch And Bubble Cut
- Trim Dies
- Robotic Automation
- In-line Vehicle Sequencing



FORD D258 DOOR APPLIQUE AUTOMATED FILM LOAD CELL

Core-Tech, Inc

Conclusion:

In closing, Core-Tech's objective is to quote and supply our customer a quality finished product for new programs. We would also like to review current programs and conduct a VA/VE for cost saving options and improved quality solutions.