



» The leading company in steel processing and fabrication in Mexico

Company Overview

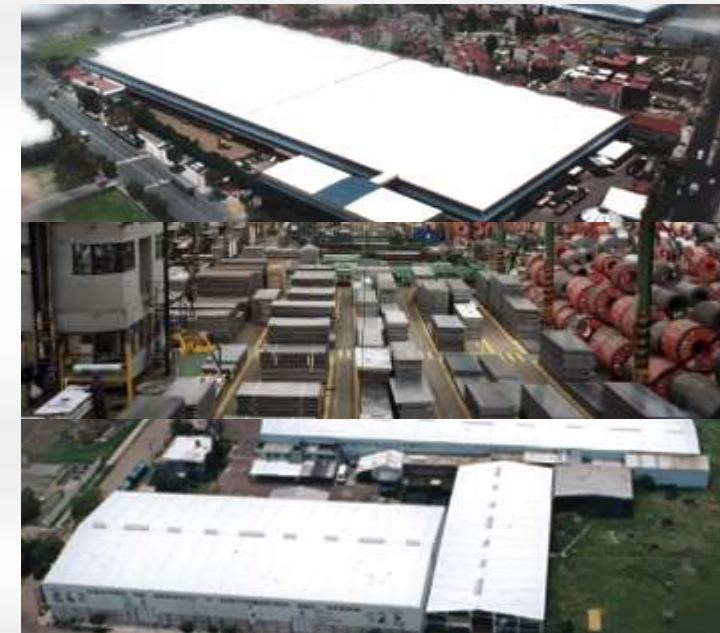
2022

- Company Overview
- Company Capabilities
- Appendix A: Assembly Products
- Appendix B: Products
- Appendix C: Plants
- Closing comments

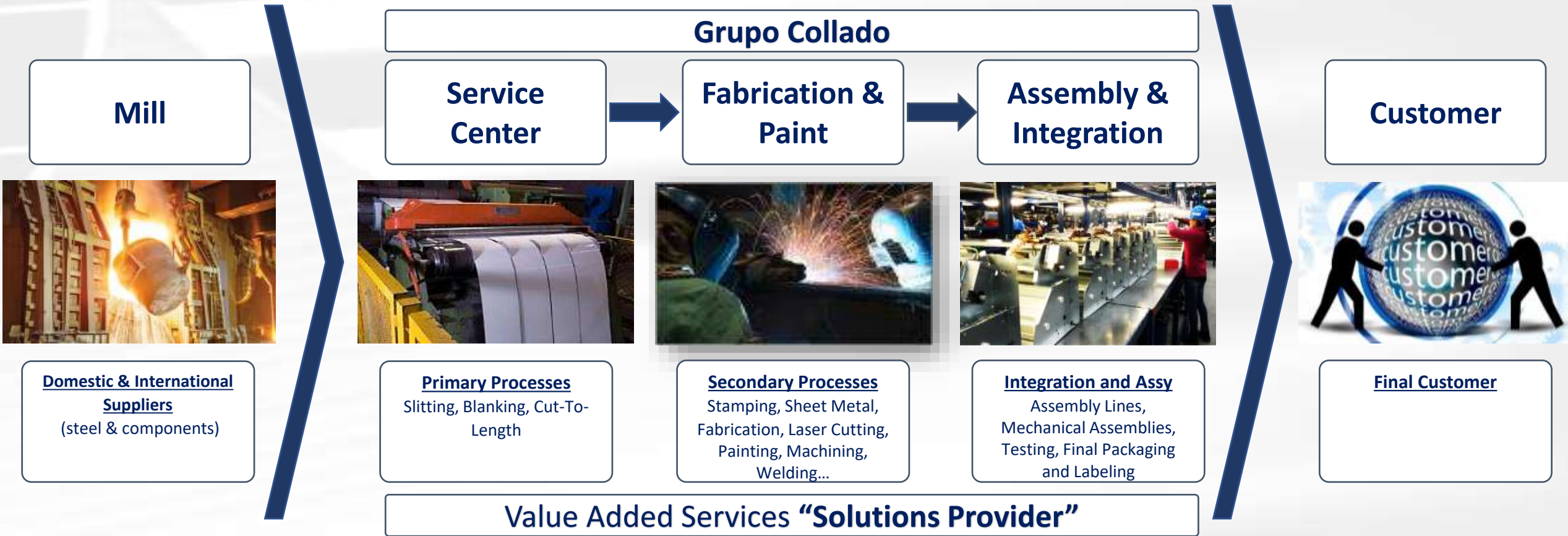
Company Overview

Overview

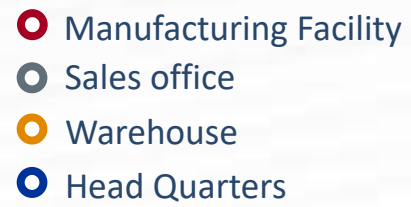
- The leading company in steel processing and steel fabrication in Mexico
- 70+ years of experience
- 12 plants and 8 warehouses (1.6M sq ft of floor space)
- Annual sales of US\$700 Million and 550,000 Metric Tons of steel
- 3,000+ employees
- 3,500+ active customers, in the industrial, commercial, construction, and infrastructure markets
- Awarded Mexico's National Export Prize in 2015
- Publicly traded in the Mexican Stock Exchange since 1997
- Certified as a Socially Responsible Enterprise, UN Global Compact signatory
- Mexico Fortune 500 company (#304)



A “vertically integrated” Company



One Stop Shop



- “1.6M sq ft of Manufacturing floor space”
- 3,000+ Direct Jobs

Sheet and Coil

- Slitting
- Blanking
- Cut To Length
- Gauer Edging (Flat Strip from coil)
- Punching
- Forming
- Welding
- Stamping
- Sheet Metal
- Painting
- Floor Decking
- Industrial Tube fabrication



Coating

- Powder coating
- Liquid coating
- Zinc Plating (through outside processor)

Plate & Heavy Gauge Sheet

- Oxyfuel
- Plasma
- Plasma Punch
- Laser
- Robotic Beveling (Contour)
- Mechanical Beveling (Straight)
- CNC Machining
- CNC Drilling
- Shotblasting
- Forming
- Rolling
- Welding
- Painting

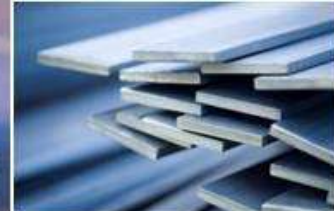
Long Products

- Saw/Miter Cut
- Tube Bending
- Tube Swedging
- Hydrostatic Testing (Tube)
- Rebar Cut and Bend

Customer Base



- **Coil / Sheet:** Hot Rolled, Hot Rolled P&O, Cold Rolled
- **Coated Sheet / Coil:** Painted, Galvanized, Aluminized
- **Structural Steel:** Angles, Channels, Beams, Tee's
- **Plate:** Carbon, Heat Treated, Alloy
- **Carbon Bars:** Hot Rolled, Cold Finished
- **Tubing & Pipe:** Structural, Mechanical, Hydraulic
- **Stainless Steel:** Sheet, Plate, Bars, Structural
- **Aluminum:** Coil, Sheet, Plate, Bars, Structural, Tubing, Pipe, Extrusions
- **Wire Products:** Wire Mesh, Barbed Wire, Wire Rod, Re-Bar
- **Roll-Formed Sections:** Special Shapes for Construction
- **Stamping**
- **Sheet Metal**
- **Assemblies**
- **Integrator**



Industrial

- HVAC
- Appliance
- Commercial Refrigeration
- Automotive
- Heavy Truck
- Electric goods
- Electronic goods
- Furniture
- Industrial Accessories



Commercial

- Sub-distributors
- Manufacturing companies
- Hardware Stores
- Self-construction



Infrastructure

- Metallic Structures
- Government projects
- Pipelines
- Highways
- Subway lines
- Dams



Certifications & Achievements

- **ISO 9001: 2015**
 - Since 1994 all plants are ISO:9001 certified
- **IATF 16949:2016**
 - Stamping facilities operate with IATF 16949:2016 Automotive Certification
- **UL**
 - Products certified by UL for certain customer requirements
- **AMCA**
 - The Air Movement and Control Association International (“AMCA”) is committed to promote and defend the cause of efficient, healthy, and safe buildings
- **C-TPAT**
 - Certified since 2007 with C-TPAT norms
- **ASME / AWS**
 - ASME U Welding and AWS Certification
- **ESR**
 - Socially responsible company. Compliance with the norms and principles referring to social, economic and environmental reality that is based on values



Company Capabilities

Service Center

From Master coils, Collado delivers cut-to-length blanks and slitted coils, offering high precision cuts with tight tolerance ranges and an excellent surface quality

30 total pieces of equipment

Slitting

- Gauges from 0.012" (0.304mm) to 0.5" (12.7mm)
- Coil capacity from 1.25" (31.75mm) to 60" (1,524mm)

Blanking and Cut-to-Length Lines

- Gauges from 0.012" (0.304mm) to 0.5" (12.7mm)
- Coil capacity from 1.0" (25.4mm) to 72" (1,829mm)

Shearing

- Gauges from 0.017" (0.457mm) to (0.187") (4.75mm)



Fabrication

Sheet Metal

Collado counts with latest generation machinery made by the best manufactures from around the world specializing in turret punch presses and Brake Presses

160 total machines (largest installed capacity in Mexico)

- **Turret Punch Presses:**

- Capacity: 22 to 50 Tons
- Max travel: 60" (1,524mm) x 120" (3,048mm)
- Max thickness: 0.177" (4.5mm) Mild Steel

- **Press Brakes:**

- Capacity: 50 to 1,400 Tons
- Max bed length: 40 ft bed



Fabrication

Laser

Latest generation fiber optics laser machines giving flexibility, productivity and quick changes on demand

- Cutting power: 4,000, 6,000 & 10,000 Watt
- Cutting area (X, Y) : 551" (14,000mm) x 118" (3,000mm)
- Max. sheet thickness:
 - Steel: 1" (25mm)
 - Stainless steel: 1.2" (30mm)
 - Aluminum: 1.2" (30mm)
 - Brass: 0.6" (15mm)
- **22 machines**

Plasma and Oxy Cutting

Heavy gage cutting up to 12"

- 4 HD Plasma
- 3 Oxy Machines



Fabrication

Stamping

Presses ranging from 50 to 1000 tons, equipment for the manufacture and maintenance of dies such as machining centers (CNC) and cutting with thread erosion (EDM). Coordinate measuring equipment (CMM), which allows us to assure our clients a high degree of precision in each piece ready to be assembled.

- 40 presses
 - Capacity: 50 to 1,000 Tons
 - Bed sizes:
 - Length: 48" (122mm) to 120" (3,048mm)
 - Width: 31" (78mm) to 72" (1,828mm)
 - Stroke: 3" (76mm) to 20" (508mm)
 - Progressive and manual



Fabrication

Machining

CNC machining centers for milling and boring

- 12 horizontal and vertical machining centers
 - Horizontal: 20 x 10 x 3 x 5 ft
 - Vertical: 10 x 10 x 4 ft
- Wire EDM
- Beveling

Shot Blasting

Removes surface contaminants such as rust and smooths the surface

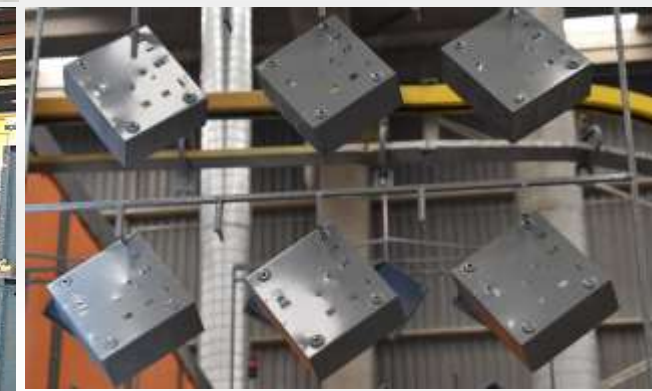


Fabrication

Painting

Collado has a total of 6 paint lines: 4 lines of electrostatic powder paint, all with nano-ceramic pretreatment based on zirconium. Two additional lines of liquid paint application

- 4 powder coating lines
 - Painting Capacity: 75,000,000 sq. ft per year
 - Booth size: 3 ft wide x 10 ft long x 5 ft tall
 - Automatic and manual spray
- 2 wet spray booths lines
 - 23ft wide x 50 ft long x 19 ft tall
 - 1080 Lumens
 - Manual spray



Fabrication

Welding / Joining

Welding is an integral process to the value-added services strategy of Collado. Process certified by the American Welding Society (AWS), The American Society of Mechanical Engineers (ASME) as well as ISO 9001

- 180 total machines
 - MIG
 - Up to 0.5"
 - Steel and Aluminum
 - TIG
 - Stainless Steel
 - Aluminum
 - Spot weld
 - Max thickness: 0.11" (2.8mm)
 - PEM inserts



Assembly & Integration

Collado manages the full component and purchased products supply chain for assemblies

- Electro-mechanical assembly lines for different products sizes
- Product insulation
- Assemblies from a single part to high volume
- 12 specialized and dedicated assembly lines (Tailored to our customer's needs)



Inspection, Testing and Packing

- Testing
 - Pneumatic Leak
 - Electrical and Electronic
- Final Packaging and Labeling (Ready for final customer)



Design Support

- Experienced work team provides input and design support for to our customers: Feasibility Analysis, Drawing and 3D development, CNC Programming and Packaging specifications

Tooling

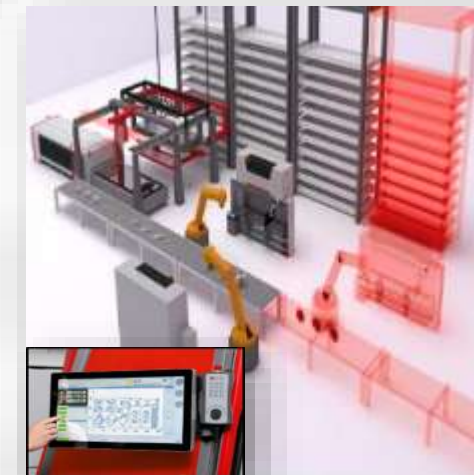
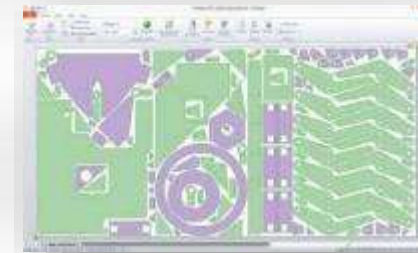
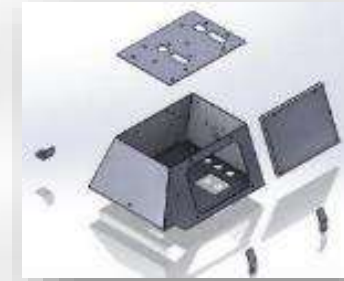
- Collaboration with external suppliers to fabricate tooling, fixtures,etc
- Fully equipped internal Tool Rooms for die maintenance, repair and spare part fabrication

Prototyping

- Capabilities to deliver fully functional prototypes in a very short time period, which includes a final product, successful engineering developments, assembly line implementation, electrical tests, steel fabrication, component sourcing and management as well as paint samples and salt spray tests

Innovation

- Constant search and research of new technologies to stay competitive and meet the needs of our customers



Appendix A: Assembly Projects



Product: Economizer

BOM:

- 29 Fabricated Simple Parts
- 42 Purchased Components
 - Hex
 - Nuts
 - Bolts
 - Struts
 - Wire Harness
 - Electric Motor
 - Gears
 - Sensors
 - Labels
 - Actuators





Product: 89" Enclosure

BOM:

- 17 Subassemblies
- 22 Fabricated Simple Parts
- 31 Purchased Components
 - Hinges
 - Lexan window
 - Pems
 - Bolts
 - Nuts
 - Lock and key





Product: Semiflush Box

BOM:

- 4 Subassemblies
- 12 Fabricated Simple Parts
- 15 Purchased Components
 - Inserts
 - Labels



CATERPILLAR®

Product: Main Frame

BOM:

- 5 Subassemblies
- 21 Fabricated Simple Parts
- 17 Purchased Components
 - Weld nuts
 - Ground thread
 - Chem. coat
 - Urethane catalyzer





Product: Cargo loaders

BOM:

- 8 Subassemblies
- 57 Fabricated Simple Parts
- 18 Purchased Components
 - Bushings
 - Weld nuts
 - Pins
 - Spacers
 - Epoxy primer





Product: Aluminum control box

BOM:

- 2 Subassemblies
- 8 Fabricated Simple Parts
- 13 Purchased Components
 - Hex nuts
 - Washers
 - Pems
 - Gasket





Product: Base

BOM:

- 1 Subassemblies
- 20 Fabricated Simple Parts
- 6 Purchased Components
 - Hex nuts
 - Pems
 - Polyethylene Coat





Product: Frame

BOM:

- 2 Subassemblies
- 6 Fabricated Simple Parts
- 8 Purchased Components
 - Microwire
 - Solvent
 - Chem coat
 - Gardolene D6871





Product: Tower

BOM:

- 33 Subassemblies
- 226 Fabricated Simple Parts
- 17 Purchased Components
 - Studs
 - Blocks
 - Cap screws
 - Pin Spring roll
 - Fittings



Customer Projects – Heaters Assembly Line

TRANE
TECHNOLOGIES™

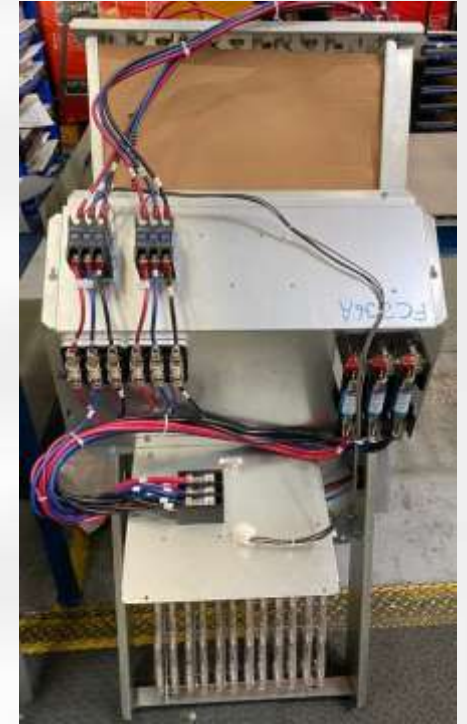




Product: Heaters

BOM:

- Various Subassemblies
- Purchased Components
 - Wire Harness
 - Electrical Components
 - Mechanical Components
 - Various Bolts and Nuts



Customer Projects – TYCO Kit Sensor Base Assy Line

Sensormatic
by Johnson Controls

tyco
Integrated
Fire & Security



Customer Projects – TYCO Kit Sensor Base



Sensormatic
by Johnson Controls

tyco
Integrated
Fire & Security



Product: Base Kit for Retail Sensor

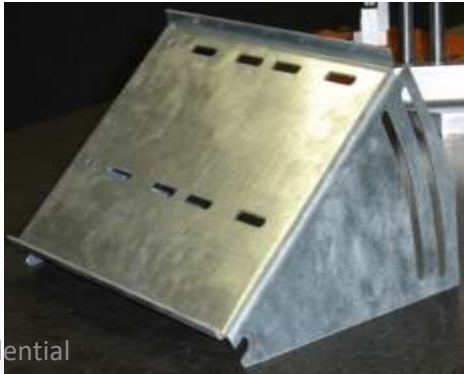
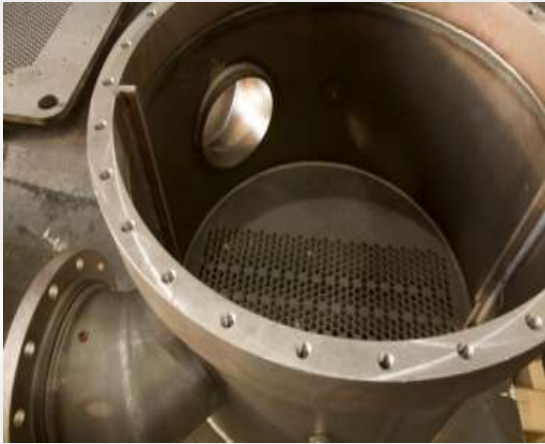
BOM:

- 2 Subassemblies
- Stainless Steel Bases
- 4 Purchased Components
 - Studs
 - Mounting Screws
 - Instruction Booklet
 - Fittings



Appendix B: Products

Final Products





Project – RTI Schneider

| PARTE SIMPLE | ENSAMBLE FINAL |
|---|---|
|  |  |
|  | |
|  | |
|  | |
|  | |





Manufacturing Frames





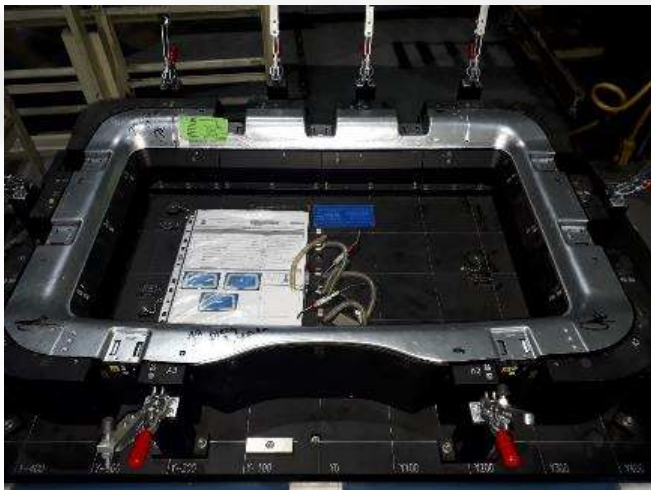
**United
Technologies**

Climate | Controls | Security

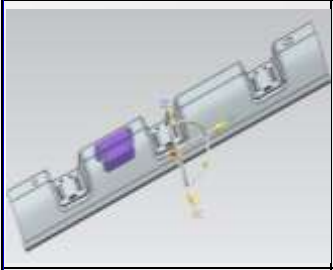
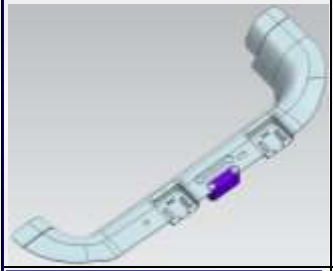
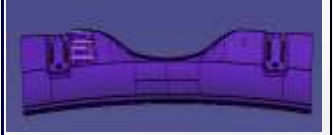

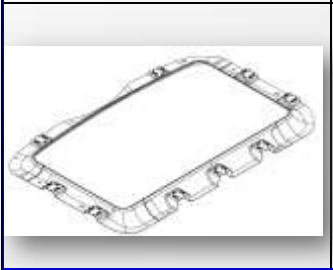
Electric Panel Control



Project Sun Roof FIAT - New projects



Proprietary and Confidential

| ASSY PART NUMBER |
|---|
|  |
|  |
|  |
|  |
|  |

Final Products





Project Trinity



Products



Storage Tanks - Techint



Tool Room Equipment and Capabilities

- CNC Machining 30" x 60" 3 axis (1)
- Wire EDM 10" X 28" 2 axis (1)
- Wire EDM (1)
- Vertical milling (4)
- Horizontal lathe 8" X 240" (2)
- Surface grinder 40" X 65" (4)
- Bridge crane 10 MTons & 3 MTons
- 5,500 sq. ft. available for tool room operation
- Fixture maintenance



Why do business with Grupo Collado?

- Largest steel distributor in Mexico in terms of volume and market share
- Broadest segment reach in the industry
- Highly diversified client base and important long term relationships
- Highly trained and capable sales force and Program Launch teams
- Strict quality standards
- Broad, efficient, and competitive distribution network “Vertically Integrated”
- Internal fleet of trucks and rail spur in several locations
- Successful development of new processes and introduction to new markets
- Operational excellence used as a key strategic differentiator
- State-of-the-art IT systems and strict operational controls
- Industry-leading management team
- Customer focused organization





COLLADO

Proprietary and Confidential