



# Alro *Plastics*

Sheet • Rod • Tube • Film • Profiles • Machined Parts

## Plastics Processing

Equipment and Capabilities Overview





# Plastics Processing



## Panel Saw Cutting

- CNC production cutting panel saws
- Able to cut sheets/slabs up to 8" thick
- Large 14 foot wide opening for cutting
- Extremely fast, efficient and reliable
- Standard cut tolerance: +1/16" / -0"



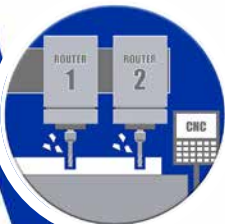
## Band Saw Cutting

- Production cutting, programmable saws
- Able to cut rounds up to 18" diameter
- Can cut the majority of plastics in stock
- Minimum 1/2" long pieces, 20 foot max
- Standard cut tolerance: +1/4" / -0"



## 5-Axis Waterjet Cutting

- CNC programmable machine
- 5-Axis for bevels and 3D cutting
- Able to cut sheets/slabs up to 10" thick
- Large 78" x 157" table surface
- Standard cut tolerance: +/- .015"



## CNC Routing

- Multiple CNC production routers
- Able to cut sheets/slabs up to 4" thick
- Huge 120" x 144" maximum part size
- Extremely fast, efficient and reliable
- Machine tolerance: +/- .015"



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## Milling & Machining

- 4-Axis vertical machining center
- Ideal for prototypes and complex parts
- 20 tool magazine, auto tool changer
- 32" x 64" table, 20" travel on Z axis
- Machine tolerance: +/- .015"



## Drilling & Tapping

- Drilling, tapping and Helicoil insertion
- Reaming, deburring, and chamfering
- Articulating arm for easy use
- Standard and metric Helicoil offerings



## Plastic Welding

- Plastic modified extrusion welding
- Hot gas manual welding
- 1/8" up to 3/4" thick materials
- Wide range of weld-friendly plastics
- All welding done in house



## Bending & Gluing

- Heat bending & cold forming capabilities
- CNC machined edges for ideal bonding
- Work done in house, reliable lead times
- Over 30+ years of industry experience
- ISO certified company



## Visit our YouTube page

- Watch our quick Processing videos
- Virtual tours of our facilities
- Learn about Alro!





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**SINCE 1987**

## PRODUCTS

*All tradenames listed below are the property of their respective owners.*

ABS  
 Acetal Copolymer  
 Acetron® GP  
 Acrylic  
 Boltaron®  
 Cast Nylon  
 Chemgrate®  
 Clear PVC  
 Composolite®  
 Corrugated  
 CPVC  
 Cutting Board  
 Delrin®  
 Densetec®  
 Detectables  
 DuraDek®  
 DuraGrate®  
 DuraGrid®  
 DuraTread®  
 Duratron®  
 Ertalyte®  
 Extren®  
 Extrusions  
 Fiberglass Grating  
 Films

Foamlite®  
 Fluorosint®  
 G10 / FR-4  
 GPO-3  
 HDPE  
 Hydex® 202/301  
 Hydex® 4101/4101L  
 Hydlar®  
 Industrial Laminates  
 Ketron® PEEK  
 King ColorCore®  
 King Hy-Pact®  
 King StarBoard®  
 KomaALU®  
 KomaTEX®  
 Kynar® PVDF  
 LDPE  
 Life Science Grades  
 LubX® C / CV  
 MC® 901/MC® 907  
 Medical Grades  
 Micarta®  
 Noryl® PPO  
 Nyla-Glide GR™  
 Nylatron®

Nyloil®  
 Nylon  
 Optix®  
 Palight®  
 Palsun®  
 PBT  
 PEEK  
 PET  
 PETG  
 Phenolic  
 Plexiglas®  
 Polycarbonate  
 Polyethylene  
 Polypropylene  
 Polystone®  
 Polystyrene  
 Polysulfone  
 PPS  
 Precision Board Plus  
 Profiles  
 Propylux®  
 Proteus® LF PP  
 PTFE / TFE  
 PVC  
 PVC Foam Sheet

PVDF  
 Radel®  
 Reprocessed UHMW  
 Rubber  
 SafPlate®  
 SafRail™  
 Sanalite®  
 Semitron®  
 Sustarin® C  
 Tecaform®  
 Tecasint™  
 Techtron® PPS

TIVAR® 1000  
 TIVAR® 88  
 Tooling Board  
 Torlon® PAI  
 Tuffak®  
 UHMW-PE  
 Ultem®  
 Urethane  
 VHMW-PE  
 Vivak®  
 Zelux®



## SUPPLIERS



## LOCATIONS

### JACKSON

2218 Enterprise  
 Jackson, MI 49204  
 Ph: (517) 787-5500

### DETROIT

1750 E. Heights Drive  
 Madison Heights, MI 48071  
 Ph: (800) 877-2576

### GRAND RAPIDS

4670 60th S.E.  
 Grand Rapids, MI 49512  
 Ph: (616) 656-2820

### EVANSVILLE

1414 Baker Avenue  
 Evansville, IN 47710  
 Ph: (812) 424-5554

### CHICAGO

279 Madsen Drive  
 Suite #102  
 Bloomingdale, IL 60108  
 Ph: (888) 877-2576

### CLEARWATER

12171 62<sup>nd</sup> Street  
 Suite #150  
 Largo, FL 33773  
 Ph: (727) 573-1480

### LOUISVILLE

5500 Shepherdsville Rd  
 Suite #300  
 Louisville, KY 40228  
 Ph: (502) 968-9980