



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"



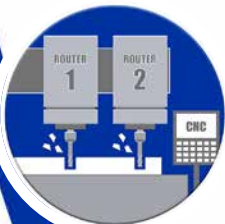
Band Saw Cutting

- 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

ALTUGLAS
INTERNATIONAL
ARKEMA

CASTNYLONS
LIMITED

Ensinger

King Plastic Corporation

MITSUBISHI CHEMICAL
ADVANCED MATERIALS

PLASKOLITE, INC.

POLYMER INDUSTRIES
GEARED TOWARDS EXCELLENCE

RÖCHLING
Engineered Plastics

SIMONA

STRONGWELL

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
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EVANSVILLE

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