

Company Profile

Established 1994. Design, facilitate manufacturing and supply of engineered fasteners, machined and stamped assembly components.

Locations

- Design & Development: Michigan, USA
- Sales and Warehousing(Automotive & Construction): Michigan, USA
- Manufacturing: USA, Asia

Quality Ratings

- ISO 9001-2000

Supply Lead Times

- Quotes: 2-5 Days
- 5 days if Plant evaluation required
- Prototypes: 2-4 weeks on new products
- Production: 6-8 Weeks

Design

- In-house
- CAD capable Unigraphics, Ideas, Autocad

Size Range

- Diameter: M2 - M12
- Length: To 180mm
- Stampings: 10 Ton - 200 Ton parts

Product Lines

- Automotive and Electrical OEMs.

Customer Origin

- American, Japanese, European.



Our quality department uses the most reliable instruments available, such as Micro Hardness Testers, Superficial Hardness Testers, Fisher's Digital Coating Gauges, Digital Torque Testers.

Coatings Available

GM, DCX, and Ford approved Magni and Dacro based coatings as well as multilayered tri-valent zinc platings with various stabilizing and friction controlling top coats.

A New Dimension in Engineered Fasteners



SINGLE SOURCE FOR ALL YOUR FASTENERS



Terminal Sems - For 5 Amp to 64 Amp rating contacts, UL rated. Largest range of terminal sems available.



CRT Screws - These special purpose sems are made under stringent controls ensuring reliable clamping for this highly demanding application.



TORX - With superior transmission of tightening torque, this lobular hex drive system eliminates slippage, and drive tool failure.



Custom Engineered Fasteners - Custom designed fasteners specifically for your application, including miniature fasteners for your smaller designs.



Automotive Fasteners - The anti-vibration screws of TAPTITE and HIGH-LOW product line with rugged Hex and TORX drives are available for automotive applications.

PRODUCTS



TERMINAL SCREWS

Our design, manufacturing and assembly capabilities produce the Industry's highest quality dimensionally controlled Terminal Sems for trouble-free automated assembly. Thread forming Sems are available for chip-free forming of threads in untapped holes.



AUTOMOTIVE BOLTS

All types of metric automotive bolts to OEM prints. Custom Coatings to GM, Ford, DCX, and Japanese specification. Experience with achieving consistent friction coefficients on Trivalent Zinc, Magni, and Dacro finishes. New PPAPs are expedited for 2-4 week delivery.



HI-LOW SCREWS

This superior performance fastener for plastics prevents stripping and cracking. It is designed with a double lead, consisting of a high and a low thread. The 30° included angle of the high thread form reduces radial or bursting pressure to one - half of that generated by the conventional 60° thread form.



COLD FORMED PARTS

Multi-die heading capabilities make it possible for us to produce custom extruded, uniquely formed, one-piece, low cost, cold headed parts.



SEMS

Our design, manufacturing and assembly capabilities provide virtually any type or combination of stamped washers pre-assembled to a wide range of screws. Multiple washer assemblies are available to meet special application needs. These washers can be flat and smooth, or dished and ribbed.



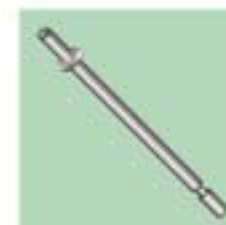
LOCK THREAD STUDS

Unique lock thread design is available for demanding stud applications - such as joints facing cyclical high and low temperatures or extensive vibration. This is the most cost effective and reliable fastener for such applications.



THREAD FORMING SCREWS

The unique "Tri-Face" shape of this screw roll forms a mating thread in an unthreaded pilot hole. The threads are work hardened as they are formed, providing a strong joint or assembly.



HINGE PINS

Grooved or Knurled, our automated cold forming operations will give you a cheaper, yet higher quality chipless part than any screw machine process. Common diameters are 2 mm to 10 mm.



TRI-PLAST SCREWS

Used in plastics, the Tri-Face shape of the screw shank reduces friction during driving to assure low driving torque, generates a prevailing torque that exceeds the level of locking screw; an interference fit provides resistance to vibration loosening.



STAMPED PARTS

Our stamping operation produces precision washers, ball joint caps, and shaft retainers made from all types of metals with extensive experience in stainless and spring steels.



CRT SCREWS

The CRT range of screws take into consideration the ultrasonic vibration to which monitors and TV sets are subject, by incorporating a special domed toothed lock washer into the design that effectively combats the problem.



STANDARD SCREWS

Tapping and Machine screws are generally available from stock in the following standards:

	Tapping	Machine
JIS	B1122	B1111
ISO	7049	7045
ANSI	B18.6.4	B18.6.3