

# Custom Stampings



*Our in house engineering staff helps take these product capabilities one step further with a full compliment of "custom" manufactured products. High volume parts manufactured to your exact specifications.*

- **FOURSLIDE**
  - S-1 THROUGH S-4
- **MULTISLIDE**
  - 28, 33, 35
  - HIGH SPEED
- **PUNCH PRESS**
  - 20— 600 TONS
- **HEAT TREATING**
  - SHAKER HEARTH
  - AUSTEMPER
- **CUSTOM FINISHES**
  - PHOSPHATE & PAINT
  - GEOMET
  - ROHS COMPLIANT
- **VALUE ADDED SERVICES**



**FOURSLIDE W/HEAT TREATING**



**COMPLEX CONVERSION**



**VALUE ADDED ASSEMBLY**

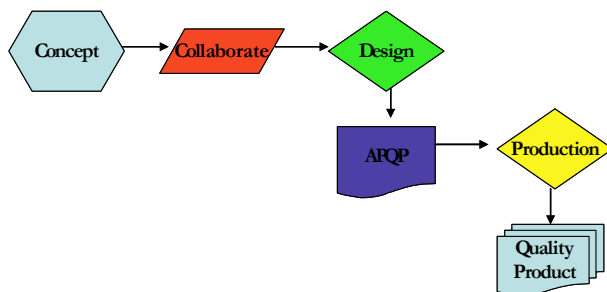


**CUSTOM FINISHES**



**HEAVY GAUGE MATERIAL**

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# Custom Stampings



*Universal's capabilities outpace our competition with our very own Engineering & Tool & Die personnel. Complete manufacturing capability from concept, design, prototype to production!*

## Common Material Types

Material	Standards
High Carbon	1050, 1055, 1060, 1070
Low Carbon	1008, 1008-1025
Stainless	300, 301, 302, 304, 400, 430
Copper	ASTM B152-B248
Brass	ASTM B36-B248
Aluminum	ASTM B209, AMS 4000
HSLA	ASTM A653
Martinsite	M130, 160, 190, 220

\* Universal's finish specs include over 200 types of material. Please contact us if yours is not listed

## Common Finish Types

Finish Designation	Description	Advantages	SS Corrosion Rating
100	Heat Treated, Plain	Cost effective	N/A
103	Phosphate, 2 coats Paint	Cost effective, Moderate SS	96 Hours
139	2 Coats Gray Paint	Cost effective, Moderate SS	96 Hours
144	Zinc, Clear Chromate	Cost effective, Moderate SS	96 Hours
200	Phosphate, Plain	Cost effective, Limited SS	72 Hours
324	2 Coats Geomet & Black	High SS resistance, hex-free	480 Hours
328	2 Coats Geomet	High SS resistance, hex-free	480 Hours
930	Plain	Cost effective	N/A
941	Zinc, Bake, Clear Epigard	Cost effective, Limited SS	72 Hours
1430	Zinc, Bake, Clear Chromate	Cost effective, Limited SS	72 Hours
1440	Zinc, Bake, Clear Chromate	Cost effective, Moderate SS	96 Hours

\* Custom finishes available upon request, additional charges may apply