METAL STAMPING SERVICES

Tryout, Die Repair, Production Support





THE QUALITY YOU NEED. **ON TIME, EVERY TIME.**

RELY ON US DIE DESIGN THROUGH PRODUCTION

No company can afford wasted time or quality issues during product launches due to problematic tooling on the pressroom floor. At Tooling Tech Group (TTG), we have the resources to ensure your die will perform as intended, whether designed in-house by our team or from an outside vendor.

Specialists in the design and build of progressive and transfer stamping dies for the automotive and consumer industries, TTG has decades of experience and the right equipment to meet your metal stamping needs. We employ advanced design and simulation tools, as well as laser measurement technology that enables us to quickly identify tooling deformations and fix problems early in the manufacturing process. From there, we have stamping presses with in-die sensors and camera vision systems to inspect running parts at high speed and accuracy.

Capabilities

- Die design and build
- Die tryout
- Die repair
- Emergency offload
- Prototyping
- Short- and long-term production

Specifications

- Die Size: 48" 280", up to 200 tons
- Materials: CR steel, HR steel, galvanized, stainless, aluminum, advanced high strength steels (AHSS)
- Presses: 500 to 2,750 tons
- Coil Stock: up to 72" width, 5mm thick

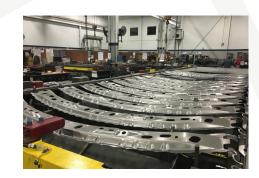
IATF 16949 Certified



Design and build of one die or a 40-die-package. we can handle the project from start to finish.



Dies are tried and tested in a production intent environment including feed rates, sensors, and scrap shedding capabilities.



We have production stamping capability for emergency offload, shortand long-term requirements for dies from 48"-280".



Laser scanning services enables us to achieve guick dimensional accuracy during die design and repair.

Equipment

PRESSES						BED SIZE		SHUT HEIGHT	
Press Make	Type (Prog/Transfer/ Blanking/Tandem	Max ? Tonnage	(Throug	Scrap Shed (Through Bolster or Shakers)		Left to Right (in)	Window Size (in)	Min (in)	Max (in)
Eagle	Prog / Transfer	2750 ton:	s Drop th	Drop thru Bolster		280	108	48	60
Eagle	Prog	1200 ton:	s Drop th	ru Bolster	108	216	74	33	44
Danly	Prog	1500 ton:	s Drop th	ru Bolster	96	188	74	38	48
Heim	Prog	800 tons	s Sh	akers	60	144	42	30	42
Heim	Prog	800 tons	s Sh	akers	70	144	53	31	42
Heim	Prog	500 tons	s Sh	akers	48	100	32	20	34
			SPM						
Stroke (in)	Max Coil Width (in)	Max Coil Thickness (in)	Max Coil Weight (lbs)	Coil ID (in)	Max Coil OD (in)	Minimum	Maximum	Ot	her
36	72	0.38	50,000 lbs	20-24"	70	10	22	"Puller Line	ar Transfer"
16	72	0.25	30,000 lbs	20-24"	70	20	35	Pu	ller
16	72	0.25	30,000 lbs	20-24"	70	20	35		
12	42	0.38	10,000 lbs	20-24"	60	15	35		
12	52	0.38	20,000 lbs	20-24"	60	15	40		
12	36	0.25	Line Die			15	40		

MACHINE TOOLS

Model	Max. Table Travel (in)	Load Limit (lbs)
YCM DCV6030BF	216 x 102	55115
TOSHIBA BP130.P40	160 x 90	55000
TOSHIBA BTD 110.R16	78 x 64	13860
VIPER VMC1600	62 x 30	
OKUMA HOWA MILLAC 852V	80 x 32	
OKUMA HOWA MILLAC 852V	80 x 32	
YCM WV108B	42.6 x 29	
OKK VM7-III	60 x 29	
OKUMA HOWA MILLAC 65V #11	51 x 15.6	
MAKINO A51NX	25.2 x 11	
OKUMA HOWA 561V w/Pallet Changer	41.3 x 22	
KITAMURA 3XD	30 x 20	
KITAMURA 3XD	30 x 20	
KITAMURA 3XD	30 x 20	
VIPER VMC2000 GXT	60 x 80	14000
AWEA SP-3016	60 x 120	
HYUNDAI F500	20 x 40	
HYUNDAI F500 PLUS	20 x 40	
HYUNDAI F400	18 x 30	
HYUNDAI F400	18 x 30	
CHARMILLES ROVOFIL 330	12 x 15.75	
CHARMILLES ROVOFIL 330	12 x 15.75	
CHARMILLES ROVOFIL 300	10 x 15.75	
MITSUBISHI M10049	13.75 x 19.7	
MITSUBISHI M10049	13.75 x 19.7	

Machine Style			
Bridgemill			
Boring Mill			
Boring Mill			
Vertical Spindle			
Horizontal Spindle			
Vertical Spindle			
Horizontal Spindle			
Horizontal Spindle			
Horizontal Spindle			
Vertical Spindle			
Vertical Spindle			
Vertical Spindle			
Vertical Spindle			
Vertical Spindle			
Vertical Spindle			
Wireburn			

INSPECTION

Model	Table Size
Brown and Shape CMM	35.5 x 47.25 x 35.5
Mitutoyo KN-807 CMM	27.5 x 33.5 x 24
Leica Laser Scanner – AT 960 T-Scan System	

COMPANY OVERVIEW

Founded in 1982, the Tooling Tech Group has grown organically, and through acquisition, to become the largest tooling provider in the United States with 650+ employees, 13 modern facilities and over 1 million square feet of manufacturing space across four states.

The depth and breadth of our capabilities is achieved through the combined experience of our company units, with each of these companies being in business for 30+ years, providing both extensive industry experience and financial stability that you can rely upon.

Our unique differentiator is the ability to provide all tooling services from design to engineering to simulation to machining to fabrication to try-out all within one company. This single source ability can help to streamline your business operations and simplify your life. As a vertically integrated company, we maintain tight control over quality and can provide custom services to meet your total program needs. We take full responsibility for quality, delivery, and cost management of each project starting at concept through "on time, every time" delivery.

Together, we have earned a reputation for manufacturing the highest quality tooling for casting, molding, forging and stamping. We also produce secondary automated solutions to transform parts into assemblies and functional products used around the world. We accomplish this by applying our expertise along with the latest technology, techniques, and CNC equipment to design, engineer, manufacture and test your tooling.





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