

## METAL STAMPING SERVICES

Tryout, Die Repair, Production Support



TOOLINGTECH GROUP



# 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, short- and long-term requirements for dies from 48"- 280".*



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

## Equipment

### PRESSES

				BED SIZE				SHUT HEIGHT	
Press Make	Type (Prog/Transfer/Blanking/Tandem?)	Max Tonnage	Scrap Shed (Through Bolster or Shakers)	Front to Back (in)	Left to Right (in)	Window Size (in)	Min (in)	Max (in)	
Eagle	Prog / Transfer	2750 tons	Drop thru Bolster	108	280	108	48	60	
Eagle	Prog	1200 tons	Drop thru Bolster	108	216	74	33	44	
Danly	Prog	1500 tons	Drop thru Bolster	96	188	74	38	48	
Heim	Prog	800 tons	Shakers	60	144	42	30	42	
Heim	Prog	800 tons	Shakers	70	144	53	31	42	
Heim	Prog	500 tons	Shakers	48	100	32	20	34	

COIL INFORMATION						SPM			
Stroke (in)	Max Coil Width (in)	Max Coil Thickness (in)	Max Coil Weight (lbs)	Coil ID (in)	Max Coil OD (in)	Minimum	Maximum	Other	
36	72	0.38	50,000 lbs	20-24"	70	10	22	"Puller Linear Transfer"	
16	72	0.25	30,000 lbs	20-24"	70	20	35	Puller	
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)	Controls	Machine Style
YCM DCV6030BF	216 x 102	55115	YCM FANUC	Bridgemill
TOSHIBA BP130.P40	160 x 90	55000	TOSNUC 888	Boring Mill
TOSHIBA BTD 110.R16	78 x 64	13860	TOSNUC 888	Boring Mill
VIPER VMC1600	62 x 30		MITSUBISHI	Vertical Spindle
OKUMA HOWA MILLAC 852V	80 x 32		FANUC	Vertical Spindle
OKUMA HOWA MILLAC 852V	80 x 32		FANUC	Vertical Spindle
YCM WV108B	42.6 x 29		YCM FANUC	Vertical Spindle
OKK VM7-III	60 x 29		MITSUBISHI	Vertical Spindle
OKUMA HOWA MILLAC 65V #11	51 x 15.6		FANUC	Vertical Spindle
MAKINO A51NX	25.2 x 11		FANUC	Horizontal Spindle
OKUMA HOWA 561V w/Pallet Changer	41.3 x 22		FANUC	Vertical Spindle
KITAMURA 3XD	30 x 20		MITSUBISHI	Horizontal Spindle
KITAMURA 3XD	30 x 20		MITSUBISHI	Horizontal Spindle
KITAMURA 3XD	30 x 20		MITSUBISHI	Horizontal Spindle
VIPER VMC2000 GXT	60 x 80	14000	FANUC	Vertical Spindle
AWEA SP-3016	60 x 120		FANUC	Vertical Spindle
HYUNDAI F500	20 x 40		FANUC	Vertical Spindle
HYUNDAI F500 PLUS	20 x 40		FANUC	Vertical Spindle
HYUNDAI F400	18 x 30		FANUC	Vertical Spindle
HYUNDAI F400	18 x 30		FANUC	Vertical Spindle
CHARMILLES ROVOFIL 330	12 x 15.75		CHARMILLES	Wireburn
CHARMILLES ROVOFIL 330	12 x 15.75		CHARMILLES	Wireburn
CHARMILLES ROVOFIL 300	10 x 15.75		CHARMILLES	Wireburn
MITSUBISHI M10049	13.75 x 19.7		MITSUBISHI	Wireburn
MITSUBISHI M10049	13.75 x 19.7		MITSUBISHI	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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