



# TECHMIRE

die casting solutions

## Company Profile

Techmire was founded in 1973, and is today the world leader in the design and manufacture of multiple-slide die-casting systems for precision components in zinc, lead and magnesium alloys.

Located in Montreal, Canada, Techmire has full turnkey systems capability, including design, manufacture and testing of die-casting machines and tooling, training of customers' operators and maintenance personnel, and full after-sales service. Refurbishing of Techmire die-casting systems and major components is also undertaken.

Techmire's customers range in size from large multinational corporations to small custom die-casting companies, and are located in more than 30 countries. These companies use Techmire equipment to

- Automotive
- Construction
- Electrical/electronics
- Consumer products
- Home appliances
- Medical
- Marine batteries (Pb)

### NTX Series

The NTX Series is Techmire's "premium" range of zinc and lead machines, and incorporates the latest advances in multiple-slide die-casting technology. The first NTX machine was introduced in 1999. The NTX Series features high capacity clamping systems, which are extremely rigid, and permit the use of greater metal pressures and injection velocities compared to the NT Series, resulting in superior surface finish and part density.

The NTX Series is complementary to the NT Series, and significantly increases the range of components that can be cost-effectively produced on Techmire



Part Samples - Examples of castings as produced by Techmire Multiple Slide

## Products



24NTX

The 24 NTX is particularly suitable for casting very small, high precision components in multiple-cavity dies, at high speeds. The 24 NTX machine is capable of reaching a dry cycle speed of 4,500 cycles per hour.

The 24 NTX is also frequently used for components that are too large for the 22 NT, or that require especially high surface finish or density. The 24 NTX will accept dies from Techmire Model 22 and other four-slide die-casting machines.



44NTX

The 44 NTX toggle mechanisms are mounted on massive toggle brackets, which are bolted to the platen of the machine. On the opposite side from the table, the four toggle brackets are joined together by a heavy ring. The resulting assembly is extremely rigid. Deflection under load is minimal.

The 44 NTX machine is capable of reaching a dry cycle speed of 3,600 cycles per hour and accepts tooling designed for Techmire 44NT and 44H series machines.



88NTX

The 88 NTX was developed for single cavity production of large surface area parts as well multiple cavity production of smaller components. It is the largest die-casting machine manufactured by Techmire.

The 88 NTX machine is capable of reaching a dry cycle speed of 2,100 cycles per hour. The 88 NTX is equipped with a quick die change system, which allow die changeover of a two (2) slide mold in as little as 15 minutes.

Model	Nominal Die Size		Clamping Force (Ton)	Shot Weight	
	Inches	MM		Ounces	Grams
24 NTX	2.5 X 4	65 X 100	7.5	8.65	245
44 NTX	4 X 4	101.6 X 101.6	25.0	11.5	320
88 NTX	8 X 10	205 X 255	45.0	23	650