



PLASTIC INJECTION CAPABILITIES

At **TecNiq** our in-house injection molding capabilities continue to grow year after year. We now have the capabilities to help companies with simple to complex injection molding requirements. From overmolding to internal and external threading, our experts are here to work with your company and develop great products. Below are some of the machines and specs for consideration. All of TecNiq's plastic injection molding machines are Shibaura (Toshiba) brand, and have been chosen because of their precision, being all electric, and their high energy efficiency.



TOOLING DESIGN

- TecNiq can provide custom designed injection molding tooling and manufacturing (turnkey) for almost any product
- Existing customer tooling can also be adapted to run in TecNiq's equipment

MATERIALS

- Novatec central drying system
- Portable dryers
- Regrind operations for recycling back into the molding process
- Color and regrind addition at the machine

MANUFACTURING

- Full production with automation (full quality control with packing)
- Full production with operator (full quality control with packing)
- Molding trials
- Limited runs





TECNIQ INJECTION MOLDING CAPABILITY DETAILS

Injection Molding Machine Sizes, Quantity and Detail (all are Toshiba/Shibaura all electric)



(2) EC110SXII (110 US Ton)

- Maximum Shot Size: 3.3 oz. (PolyStyrene)
- Maximum/Minimum Die Thickness: 21.7"/7.1" (551mm/180mm)
- Maximum Die Width (h): 18.1" (460mm)
- Maximum Die Width (v): 16.1" (410mm)
- Maximum Injection Velocity: 7.9 in/sec
- Maximum Injection/Hold Pressure: 31,900 psi

(2) EC140SXIII (143 US Ton)

(1 additional new machine coming in August 2022)

- Maximum Shot Size: 6.35 oz. (PolyStyrene)
- Maximum/Minimum Die Thickness: 21.7"/7.1" (551mm/180mm)
- Maximum Die Width (h): 20.1" (510mm)
- Maximum Die Width (v): 18.1" (460mm)
- Maximum Injection Velocity: 7.9 in/sec
- Maximum Injection/Hold Pressure: 29,000 psi

(2) EC200SXII (198 US Ton) w/U34 Injection Unit

- Maximum Shot Size: 6.3 oz. (PolyStyrene)
- Maximum/Minimum Die Thickness: 23.6"/7.9" (600mm/200mm)
- Maximum Die Width (h): 22.0" (560mm)
- Maximum Die Width (v): 20.1" (510mm)
- Maximum Injection Velocity: 7.9 in/sec
- Maximum Injection/Hold Pressure: 29,000 psi

(1) EC200SXIII (198 US Ton) w/U48 Injection Unit

- Maximum Shot Size: 12.7 oz. (PolyStyrene)
- Maximum/Minimum Die Thickness: 23.6"/7.9" (600mm/200mm)
- Maximum Die Width (h): 22.0" (559mm)
- Maximum Die Width (v): 20.1" (510mm)
- Maximum Injection Velocity: 6.3 in/sec
- Maximum Injection/Hold Pressure: 29,000 psi

(1) EC250SXII (254 US Ton)

- Maximum Shot Size: 12.7 oz. (PolyStyrene)
- Maximum/Minimum Die Thickness: 26.8"/9.8" (680mm/249mm)
- Maximum Die Width (h): 24.0" (609.6mm)
- Maximum Die Width (v): 22.0" (559mm)
- Maximum Injection Velocity: 6.3 in/sec
- Maximum Injection/Hold Pressure: 29,000 psi

(1) EC310SXIII (308 US Ton)

(coming in September 2022)

- Maximum Shot Size: 19.2 oz. (PolyStyrene)
- Maximum/Minimum Die Thickness: 29.5"/9.8" (750mm/250mm)
- Maximum Die Width (h): 26.0" (660mm)
- Maximum Die Width (v): 28.7" (730mm)
- Maximum Injection Velocity: 6.3 in/sec
- Maximum Injection/Hold Pressure: 23,900 psi

(1) EC390SXIII (385 US Ton)

- Maximum Shot Size: 27.5 oz. (PolyStyrene)
- Maximum/Minimum Die Thickness: 32.3"/11.8" (820mm/300mm)
- Maximum Die Width (h): 32.3" (820mm)
- Maximum Die Width (v): 29.1" (740mm)
- Maximum Injection Velocity: 6.3 in/sec
- Maximum Injection/Hold Pressure: 29,000 psi

Vertical Injection Molding Machine

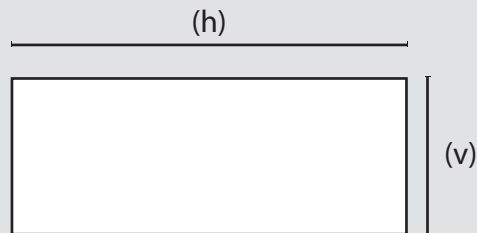
(all electric Niigata with Rotary Table)

(1) MDVR110 (110 US Ton)

- Maximum Shot Size: 3.74 oz. (PolyStyrene)
- Maximum/Minimum Die Thickness: 17.72"/13.78" (450mm/350mm)
- Maximum Die Width (h): 19.96" (507mm)
- Maximum Die Width (v): 19.96" (507mm)
- Maximum Injection Velocity: 10.24 in/sec

Note:

* Die Sizes (h)= Horizontal, (v)= Vertical



For More Information or to contact a TecNiq Business Development Representative visit www.TecNiqInc.com, or call 269-629-4440