



HELPING PLASTICS PROCESSORS SOLVE EVERYDAY  
PROBLEMS WITH QUALITY EQUIPMENT SOLUTIONS

## Shibaura Machine

Shibaura Machine is a leading global supplier of high precision electric molding machines from 30 to 2,750 tons and servo hydraulic molding machines from 110 to 3,850 tons. Our North American headquarters is fully equipped to support sales, service, parts, mold trials, and customer training.



Graham Engineering (featuring American Kuhne extruders) provides stand-alone extruders, co-extruders and complete systems for the profile, medical and industrial tubing, pipe, wire and cable, film and coating, fiber/non-woven, rubber/silicone, compounding, and reclaim extrusion.



XALOY provides screws, barrels and front-end components for the extrusion, injection, and blow-molding industry including designs for optimizing user processes.



Advantage Engineering is a U.S. based manufacturer of industrial heat transfer products including water chillers, temperature control units and evaporative cooling towers. By providing effective and energy efficient process cooling, Advantage equipment improves product quality and reduces manufacturing time in many applications.



The extensive range of granulators produces high-quality regrind from a wide assortment of plastic waste resulting from various processes. Rapid solves the problems associated with plastic recycling by matching the right technology with specific applications.



NOVATEC, Inc. is the largest U.S. based manufacturer of resin dryers for the plastics industry. We combine Plastics Drying, Plastics Conveying and Plastics Blending with Downstream Extrusion Products to design and install complete Central Plastics Drying and Conveying Systems.

Part of the **MAGUIRE** Family



DynaCon conveyors offer flexibility of design which includes length, width, inclines, declines, lateral turns, belt styles. Standard options include radius turns, metal detection, clean room, water tanks, cooling fans, box filling, split belt, ergonomic tilt.



Nordson melt delivery products consist of melt filtration (screen changers), melt pumps, pelletizing equipment (under-water and water-ring) and polymer cleaning ovens.



The Sepro Group designs and integrates 3-axis, 5-axis and 6 axis robots with a unique native control platform to equip injection molding machines of all brands and sizes.



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Bay Plastics Machinery offers a complete line of strand pelletizers, conveyors, water baths, air knives/strand dewatering units and spare parts. We also offer rotor sharpening, rebuild/repair, technical support and testing.



H-P Products offers tubing, bends, and fittings for vacuum conveying.

## Maximum Diametrical Clearance Between Screw and Barrel

<u>Screw Diameter</u> (in)	<u>New</u> <u>Clearance</u>	<u>Maximum</u> <u>Clearance*</u>	<u>Screw Diameter</u> (mm)	<u>New</u> <u>Clearance</u>	<u>Maximum</u> <u>Clearance*</u>
1	.003/.004	.018/.020	35	0.08/0.11	0.35/0.40
1.5	.005/.008	.020/.025	50	0.10/0.15	0.50/0.64
2.5	.007/.010	.021/.030	65	0.13/0.18	0.55/0.75
3.5	.010/.012	.030/.036	75	0.15/0.20	0.65/0.80
4.5	.010/.013	.030/.039	90	0.18/0.25	0.70/0.85
6	.013/.016	.039/.048	115	0.23/0.30	0.75/1.00
8	.016/.019	.048/.057	135	0.25/0.35	0.85/1.10
10	.018/.021	.054/.063	150	0.30/0.40	1.00/1.22
12	.020/.025	.060/.075	200	0.40/0.50	1.22/1.45

\*The maximum clearance is the sum of the barrel and screw wear. Once these numbers are reached, performance (output and melt quality) may suffer greatly.