



NOVAMACHINE

WE MAKE YOUR DREAM

Laboratory & Pilot Injection Molding Machine



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Introduction

The small injection molding machine has been miniaturized and improved, with small volume and strong mobility, suitable for classroom teaching and small sample making (such as tensile, impact splines, color cards). It is small in size and easy to operate, and can meet the processing needs of any high-precision micro-shaped products.

Features

- Easy operation, compact structure, and good repeatability.
- Suitable for micro injection molding.
- High accuracy and good repeatability.
- Automatic fault display and easy maintenance.
- Computer programming variable pump energy-saving control: clamping – injection – packing – preplasticizing – cooling - opening mould - eject products.
- Color touch screen, man-machine interface operating system which can display and set all injection parameters such as position, pressure, speed, temperature.

Advantages

Mould with few cavities: Simple dimensional accuracy. Thanks to the low hourly cost you can obtain a competitive cost even with moulds with a few cavities.

Easier to balance cavity layout: The sprue can be easily balanced in moulds with a few cavities and allows a reduction in sprue size.

Homogeneous mould temperature: Thanks to the possibility to have temperature control directly in the cavity plate.

Plastification of materials without frictional stress: Thanks to its unique plastification system, the temperature in the plastification cylinder is homogeneous and every single granule is plasticized by direct contact with hot metal spheres. In this way, the resin is not subjected to overheating due to friction.

The residence time is reduced in the injection unit: Thanks to the reduced size of the plastification chamber, the material remains at transformation temperature for very little time even if the weight is less than 10 gram.

Application

- Micro precision parts production
- Long-term or small batch orders
- Lab test / proofing
- Test mold production
- Dust-free workshop production
- Teaching and training

	Injection weight (g)	Screw diameter (mm) - L/D	Injection pressure (bar)	Clamping force (Ton)	Tie bar spacings (mm)	Max.Mould height (mm)
Lab	50	30 - 20	40 - 100	80	200 * 300	250
Pilot	150	35 - 20	50 - 120	120	450 * 450	350
	250	40 - 20	70 - 140	160	600 * 600	400



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