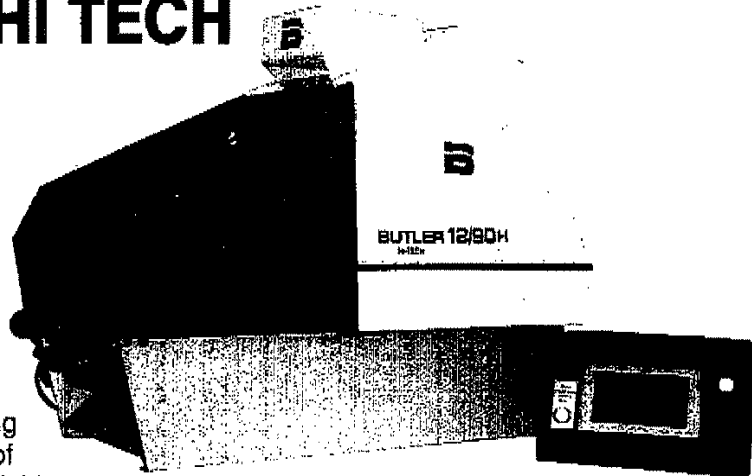


# BUTLER 12/90H HI TECH HORIZONTAL INJECTION MOULDING MACHINE



The BUTLER 12/90H Hi Tech is a 9 ton clamp force, horizontal injection moulding machine designed for the manufacture of components of 0.02 to 12 grms shot weight

(or larger shot weights if fitted with optional high capacity injection unit).

The machine uses a unique plasticising unit which provides the ideal conditions for injection.

It is possible to mould individual parts by injecting right up to the cavity or split line.

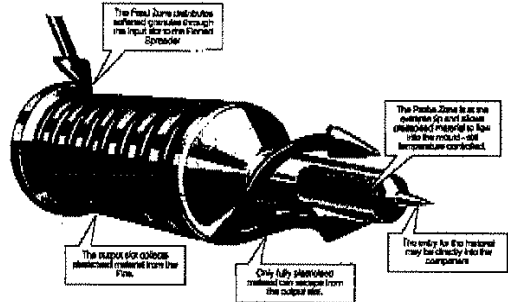
Sprue or runnerless moulding is possible, as is moulding with a hot runner system.

The BUTLER 12/90H P.L.C control panel displays running parameters, allows profiled mould open and close functions, fault diagnosis, automatic shutdown and stores 25 moulding programmes for easy changeover. Parameters are input via a large touch-screen.

## Benefits:-

- Accurate small products
- Fully automatic
- Low running costs
- Low space requirements
- Easy to set-up and operate
- Minimum or no material wastage
- Low mould costs
- Oil-free operation.

## Plasticising Chamber



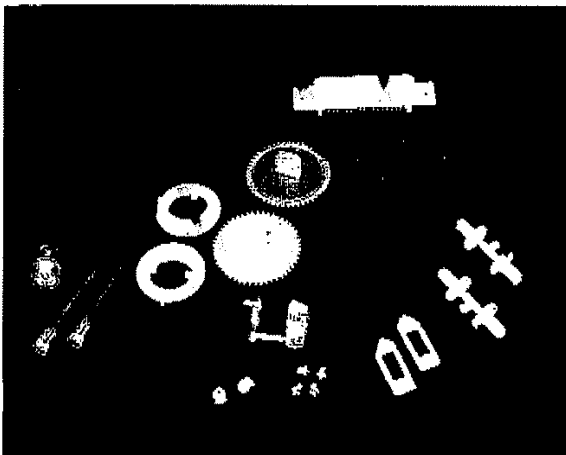
## Mouldings

Shown left are just a few examples of the numerous types of mouldings the BUTLER 12/90H can produce.

The Butler 12/90H machine will process the following materials: PE, PP, PS, Nylon, G.F. Nylon, A.B.S., Noryl, K. Resin, Poly Carb, Acetal and most other thermoplastics and thermoplastic elastomers.

Many Glass Filled and sensitive materials can be handled.

MACHINE SPECIFICATION OVERLEAF.



# BUTLER 12/90H HI-TECH MODEL SPECIFICATIONS

## CLAMP UNIT

	<u>METRIC</u>	<u>ENGLISH</u>
Clamp Force	9 tonnes	9 tons
Full Stroke	115 mm	4.5 ins
Sensing Force	10 kg	22 lbs
Opening Force	5 tonnes	5 tons
Ejector Force	240 kg	520 lbs
Tie Bar Diameter	25 mm	1.0 ins
Between Bars	110 mm	4.3 ins
Max. Mould Size H x V	100 mm x 130 mm	4 ins x 5.1 ins
Mould Thickness	110 mm	4.3 ins

## SHOT CAPACITY

### **Standard**

	<u>METRIC</u>	<u>ENGLISH</u>
Injection Unit	15 dia.	.591 ins
Pressure	566 kg/cm <sup>2</sup>	8,000 psi
Capacity	12 grammes	

### **Alternatives**

Injection Unit	10 dia.	.375 ins
Pressure	1,270 kg/cm <sup>2</sup>	18,000 psi
Capacity	4.8 grammes	

Injection Unit	12 dia.	.472 ins
Pressure	884 kg/cm <sup>2</sup>	12,600 psi
Capacity	7.2 grammes	

Injection Unit	18 dia.	.709 ins
Pressure	393 kg/cm <sup>2</sup>	5,600 psi
Capacity	16.8 grammes	

## SIZES OF MACHINE

	<u>METRIC</u>	<u>ENGLISH</u>
Length x Height x Width	920 x 700 x 400 mm	36 x 27.5 x 15.7 ins
Weight	130 kg	290 lbs
Panel: Depth x Height x Width	510 x 180 x 340 mm	20 x 7.0 x 13.4 ins
Power-Single Phase Max. Load	240 volts 50 hz 2.8 kW	
Air Supply-Max./Cycle	7 bars x 3.4 litres	100 lbs/ins <sup>2</sup> x 209 ins <sup>3</sup>

We can supply package deals of mould, machine and extra handling equipment including:

- |                         |                        |                         |
|-------------------------|------------------------|-------------------------|
| ■ Higher Force Ejection | ■ Special Sequences    | ■ Hopper Loader Unit    |
| ■ Hopper Drier          | ■ Special Platens      | ■ Unscrewing Unit       |
| ■ Hot-Runner Mould      | ■ Special Heating Unit | ■ Clean-room capability |

REPRESENTED BY:-

 **STV connect**  
www.stvconnect.co.uk

**NOTE:**

Information contained in this publication is to the best of our knowledge true and accurate. However we are always seeking to improve the quality of our products and therefore reserve the right to change specifications at any time. This statement does not affect the statutory rights of a buyer.

The equipment illustrated in this brochure may, in some instances be of non-standard specification.

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