



Feeding of Inhaler Body Mouldings



Plastic Inhaler Mouldings (7 types)



Feed Systems

Reference-no.R006



Operation Description:

Sector

Manufacturer of Pharmaceutical plastic mouldings

Workpiece

Plastic Inhaler Body Mouldings 7 various types of size and shape

Performance Requirements

The Inhaler bodies are fed directly from a moulding machine into an elevator conveyor and orientated via linear feeder at 80-120 parts per minute into an assembly and test machine

Operation Description

The Inhaler bodies are dropped from a moulding machine into a hopper and elevated to a vibratory linear feeder. The linear feeder orientates the bodies all one way and recycles misorientated parts back into the hopper.

At the end of the linear conveyer the inhaler bodies are accumulated and turned via a twist track to the correct orientation to be fed into the customers assembly machine.

The 7 types are separated into 3 part-families with dedicated tooling sections. All change tooling is via dowels for accurate and rapid changeover between parts. The changeover time for the entire feed system with a product change requires less than 10 minutes.

Performance

80 parts per minute/run with large bodies.

120 parts per minute/run with small bodies.



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