

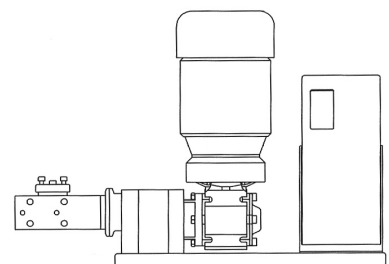
Three-Tec

Mini-Extruders

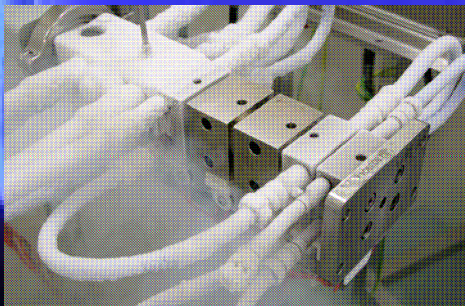
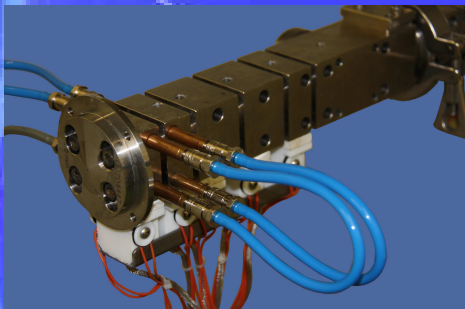
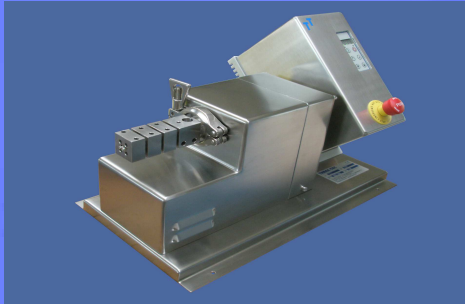
For extrusion of smallest quantities



Three-Tec GmbH • Industrie Birren 20 • CH-5703 Seon
Phone: +41 (0) 62 892 82 11 • Fax: +41 (0) 62 892 82 13
E-Mail: info@three-tec.ch • Net: www.three-tec.ch



Mini-Extruder



Advantages of the Mini-Extruder

In the early stages of formulation development, it is often the case that only very limited volumes of the active pharmaceutical ingredients are available.

On the other hand, many formulation attempts are necessary in order to achieve optimum preparation. Therefore, the possibility of extrusion at the smallest scale possible offers many benefits and is also important not only in the pharmaceutical industry but also in the food, cosmetic, paint and synthetic industries, etc.

Constructional advantages

Limited substance volumes are needed due to miniaturisation; nevertheless larger quantities can also be equally manufactured.

Our extruders offer a wide area of screw diameters (5, 8, 9, 12 & 16 mm) and L/D ratio (10:1 - 32:1).

Quick assembly and/or disassembly - increase of the test throughput with triclamp and bayonet connections.

The barrel consists of one piece, thus there are no problems in terms of impermeability.

Our extruders are easy to clean and have an easy cleaning validation.

By means of cuts into the barrel, steep temperature gradients between the segments are possible.

Freely configurable screws make individual adjustment in the respective extrusion processes possible.

The units are very compact, require only limited space and can be easily stored in isolators for highly effective, active pharmaceutical ingredients.

The extruders are easy to transport due to their light weight.

The control unit which collects all important data is compact.

Calendar, conveyor belt, cutting heads and optimised nozzle plates for all extrusion applications are available upon request.

Patent pending