

**MPX19**

**baker perkins**

A BRAND OF COPERION

# Benchtop Twin-screw Extruder

## Applications include:

- » All types of powder coating formulations
- » Thermoplastics
- » Pharmaceuticals
- » Chemicals
- » Adhesives
- » Reprographic toners
- » Solvents
- » Electronic Moulding Components (EMC)

Small and compact unit, ideal for laboratory and development work



Designed for laboratory environments, the versatile MPX19 Benchtop Extruder is pre-configured to meet the rigorous demands of R&D work, whether you are investigating process challenges, extending existing product lines or developing new processes or products.

With its intuitive interface and simple controls, the **MPX19** is user friendly and ready to work with you and your materials, providing you with reliable and repeatable data that will support your decision making.

- » All Baker Perkins extruders feature a clamshell barrel for easy access and cleaning to increase your productive uptime
- » Offers accurate scale-up to production outputs for a risk-free switch to larger batches and continuous processing
- » Complete with remote software support for fault finding and updates to maximize performance and productivity

We also offer the **MPX24** as an alternative laboratory-scale extruder for research and small batch production. The **MPX19** and **MPX24** are being used successfully in hundreds of manufacturing and research sites globally.

**Baker Perkins Ltd**  
*A brand of Coperion*  
Manor Drive, Paston Parkway,  
Peterborough, PE4 7AP, UK  
T: +44 1733 283000  
E: [info@coperion](mailto:info@coperion)

**Baker Perkins Inc**  
*A brand of Coperion*  
3223 Kraft Ave S.E., Grand Rapids,  
Michigan, 49512-2027, USA  
T: +1 616 784 3111  
E: [info@coperion](mailto:info@coperion)

[www.coperion.com/fpm](http://www.coperion.com/fpm)

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# Benchtop Twin-screw Extruder

## Features / Benefits

- » Clamshell barrel for easy access and cleaning
- » Splined agitator shafts for increased reliability
- » Segmented screws allow ultimate flexibility for screw profile design
- » Electrically heated / water cooled barrel for accurate temperature control
- » PLC control
- » Data trending
- » Barrel lengths up to 40 L/D
- » Top and side feeders
- » Chill roll
- » Additional top and side feed ports

## Major Dimensions

- » Length 1,200 mm
- » Width 600 mm
- » Centerline height 400 mm
- » Overall with feeder 1,000 mm

## Performance and Engineering Data

- » Typical outputs 5 - 25 kg/hr (@ 500 rpm)
- » Total connected power 2 kW (@ 500 rpm)
- » Maximum operating temperature 300°C
- » Approximate weight 130 kg
- » Screw speed 500 rpm (or 1,000 rpm on request)

## Optional Features / Equipment

- » Barrel lengths from 15:1 L/D up to 40:1 L/D
- » Barrel cooling unit (stand alone)
- » Volumetric & Gravimetric feeder
- » Liquid injection pump
- » Die assembly
- » Product cutter
- » Support table
- » Application-specific extras e.g. strand baths and pelletizers for plastics
- » Alternative materials of construction are available



| Model             | Lab – Small batch production |
|-------------------|------------------------------|
| Model             | MPX19                        |
| Barrel length L/D | 25                           |
| Motor power (kW)  | 2                            |
| Screw speed rpm   | 500                          |
| Maximum output    | 25 kg/hr                     |
| Average output    | 13 kg/hr                     |

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