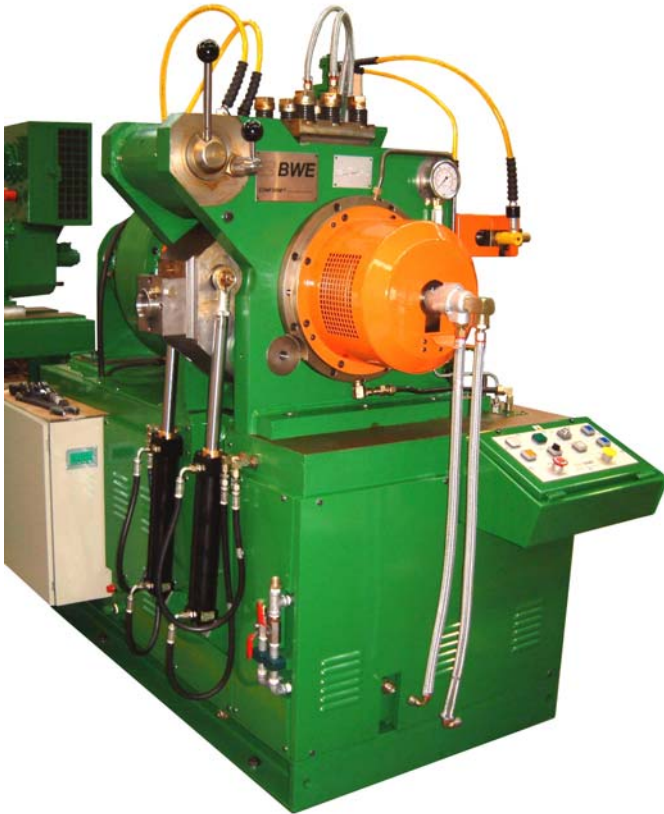


# CONFORM™

Continuous Extrusion Machine

Conform 285



BWE's **Conform 285** is widely used for the production of **Copper Round, Rectangular and Shaped Profiles**. It can also be used for simple **Aluminium Shapes**.

The most popular application is for rectangular copper conductors (magnet wire) that are produced to close tolerances with excellent corner geometry.

As extruded the product is in a soft, clean condition. Copper extrusions are usually protected by the addition of soluble oil or brightener to the cooling water so that the product has a bright, attractive appearance.

The 285 has been one BWE's most successful designs with over 25 machines supplied, most of which are used for copper magnet wire.

A hydraulically operated pivoting shoe provides easy access during tool changes and internal wheel cooling ensures good thermal stability.

Torque is transmitted coaxially through an epicyclic gearbox and torque tube to contain the high reaction forces. This arrangement, which is standard on all BWE machines, ensures long-term reliability under arduous 24-hour operation.

**Capital cost and running costs are both very low.**

The 285 is available in a range of models starting with a basic 100 kW machine. The basic machine uses manual feed and has a built-in Siemens micro PLC with touch screen for controlling machine functions and a product take-up (BWE or customer supplied). Options include a 120kW drive system, powered in-feed and guillotine unit and a control console with a full-size PLC and graphic display for process monitoring and data logging.

BWE offers a wide range of services tailored to the customers' needs ranging from machine only supply with customers providing their own ancillaries to full turn-key systems including plant engineering, training, installation and commissioning.

## Performance:

- Internal Wheel Cooling
- Rigid Construction
- Long-term Stability

## Economy:

- Low Cost Wheel System
- Low Running Cost
- High Reliability
- Very Low Capital Cost

Specification	
Wheel Diameter (mm):	285
Rated Power (kW)	100/120
Aluminium Feedstock (mm):	
Minimum:	9.5
Maximum:	15
Copper Feedstock (mm):	
Minimum:	8.0
Maximum:	13.0
Die Circle (mm):	
Aluminium	28
Copper	28

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Cold Welding · Continuous Extrusion · Continuous Cladding · Continuous Sheathing

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