



EXTRUDER TECHNOLOGY

FOR WINDOW PROFILES · PIPES
WPC · TECHNICAL PLASTICS



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Administration



Production



WEBER – machine technology made in Germany

Germany is renowned for its engineering skills throughout the world. For machine manufacturer WEBER this is an incentive as well as an obligation: The name WEBER has stood for excellent quality in mechanical engineering for over 90 years. „Made in Germany“ is more than just a slogan for the company in Kronach in the Upper Franconia region of Bavaria. For over 300 employees it means the skill of combining high quality, durable machines with innovative technology.

WEBER quality

We still work according to the principle „Made in Germany“. WEBER is one of the few remaining manufacturers of counter-rotating twin screw extruders where all mechanically relevant components are produced in-house in Germany. Design and the manufacture of gearboxes, bar-

rels, screws and the entire mechanical structure of the extruders takes place in the factories in Upper Franconia. We only want to offer customers machines which have been developed, tested and produced ourselves. That is the well-known WEBER quality.

In-house development and production means that customers receive the highest level of individuality. WEBER fully adapt to the customer's requirements and can offer customised systems quickly and with a high level of expertise.

WEBER personally look after their customers – in Germany and in over one hundred countries around the globe.



The WEBER performance promise

- Excellent and individual extrusion solutions
- In-house development and production
- Guaranteed reliability and durability
- All machines are tested at the in-house Technical Centre (page 5)
- All relevant machine parts are always in stock
- Large service team with short reaction times
- Low operating costs and high energy efficiency
- Careful use of resources

WEBER GREEN TECHNOLOGY, BLUECOMPETENCE

We reserve the right at any time to incorporate any modifications into our machines and equipment as we adopt an ongoing development process.



Numbers, dates, facts

Traditional:

The name WEBER has stood for excellence in mechanical engineering for over **90 years**.

Customer focused:

Over **300 employees** provide optimum extruder solutions.

Pioneering:

WEBER offer an exciting career start for **45 apprentices**.

Available:

All **parts made in-house, screws and barrels** for all common extruders are always in stock.

Varied:

WEBER extruders are available in **5 ranges** – CE (conical twin screw extruders), DS (twin screw extruders), ES (single screw extruders), NE (grooved feed bush extruders) and ZE (co-extruders).

Individual:

WEBER customers can choose between **machine types** that are tailored to their requirements.

Global:

Companies in over **100 countries** trust in WEBER quality made in Germany.



The history of WEBER

1922

Founding of the company

1956

Presentation of the first single screw extruder

1964

Delivery of the first cylindrical twin screw extruder

1964

Presentation of the internal screw temperature control for twin screw extruders

1968

Patent granted for distribution gear of the cylindrical twin screw extruders

1981

The first conical twin screw extruder leaves the factory

1986

Distribution gear for conical twin screw extruder is granted a patent

1998

Patent granted for a distribution gear for a twin screw extruder with screws running in opposite or same direction

1998

Utility model granted for the DUO concept

2007

World premiere of the 40 D machines

2012

Delivery of the 10,000th extruder

2013

Presentation of the new *FleXXtrusion*® series and the *High Performance* series DS 32 D



Excellence through innovation

The WEBER Technical Centre

There is a good reason why all automotive manufacturers have their own test track. This is where new models are put through their paces and developed further before they are delivered to customers. The WEBER Technical Centre has a similar function – a state-of-the-art technology centre at the company headquarters in Kronach. For innovation is the engine that ensures perfect solutions and long lasting machines for customers throughout the world.

At the WEBER Technical Centre, experts develop new machines and test extruders before delivery. After all, our customers expect nothing short of perfection from a

renowned machine manufacturer. WEBER meet this requirement with a series of tests on all model ranges and new developments.

The WEBER promise: No extruder leaves our factory without thorough testing at the Technical Centre. Every single component has to pass the strict quality testing of our specialists. So customers can be sure they always receive the best quality.

Advantages:

- Detailed inspection of all extruders before delivery
- Further development of current model series
- Endurance tests for quality assurance
- Development and testing of new models
- Customer training on new systems

The WEBER Technical Centre turns customer ideas and requests into practical solutions. Customers can watch trial runs or the series of tests carried out on their machines at the Centre.



Overview of our extruder series

Window profile extrusion



FlexXtrusion® – that is the new, variable extruder range from WEBER that can be individually adapted to customer requirements. The modular machine concept allows customers to freely select the processing unit of the extruder, providing the best possible configuration for each application. Drive, gearbox and machine frame remain the same. This saves costs and offers maximum flexibility at all times.

Field of application
Window profile extrusion



The *Classic Line* offers proven extruder models at a competitive price. Customers can choose between different models according to their requirements.

Field of application:
Window profile extrusion

Pipe extrusion



High Performance DS 32 D Series – that is the new WEBER range designed for high performance and a high level of vertical integration. It offers maximum flexibility with regard to the materials that can be processed. This is made possible by modern screw technology.

Field of application:
Pipe extrusion



The *Classic Line* offers proven extruder models at a competitive price. Customers can choose between different models according to their requirements.

Field of application:
Pipe extrusion



Top performance for maximum output: The High Performance range provides customers with high performance extruders in the NE series. In contrast to the classic machines, these extruders have an even higher capacity. This is made possible by the newly developed, pioneering screw technology.

Field of application:
Pipe extrusion

PEXa extrusion



PEX Extrusion – cross linking of polyethylene makes PEXa pipes resistant to corrosion and resistant to pressure and temperature as far as possible. The WEBER twin screw extruders in this product range were specially developed for the production of high quality products.

Field of application:
PEXa extrusion

WPC extrusion



The *WPC Edition* from WEBER includes twin screw extruders for extrusion of wood polymer composites – a mixture of thermoplastics and wood or natural fibres such as rice hulls, hemp or coconut fibres.

Field of application:
e.g. deckings

Extrusion of technical profiles and pipes



In the *Super Edition* series WEBER offers standard extruders and co-extruders of the ES and ZE series to our customers at very competitive prices. The machines in this product range feature a high level of reliability. The limited configuration options for this range of machines allows short delivery times.

Field of application:
e.g. technical profiles