



TSE 20/40 EC Twin Screw Extruder

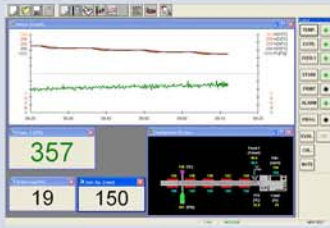
- 20mm Parallel
- Clam Shell Barrel
- Co-rotating
- Segmented Screw Elements
- Side Feeding Ports



... where quality is measured.

TSE 20/40 EC Clam-Shell Stand-Alone

Software



- **Graphic Interface**
 - Alarms
 - Temperature
 - Pressure
 - Auxiliary Speeds
- **Protocol Storage**
- **Data Logging**
 - Temperature
 - Pressure
 - RPM
 - Auxiliary Speeds

Features

The Stand-alone TSE 20/40 EC Extruder is a self-contained twin-screw extrusion system. The self-reliable unit is equipped with a 5.2kW inverter drive. The advantage of the integrated motor, allows the system to reach a higher rotary speed(max. 600 rpm) than a Twin Screw Extruder powered by a drive-unit. The design and persuasive features make the TSE 20/40 EC Extruder a perfect solution for laboratory applications.

The unit utilizes the latest technology in CAN Field-Bus data communication. The Stand-alone Extruder TSE 20/40 EC is part of a new generation of compounding systems that will offer a high degree of operating reliability for the compounding of various polymers.

The processing unit is a clamshell design with segmented screws. The modular screw design enables the operator to optimize the compounding application by utilizing various kneading, mixing, and shear elements of the screws. The segmented screw elements are interchangeable and can be realigned to adapt to a specific application.

The Stand-alone TSE 20/40 EC is ideal for the following tasks: incorporation of solid or liquid additives and pigments into polymers, filling, reinforcing, alloying, and modification of thermoplastics and elastomers, regeneration of polymer, degassing of volatile matter with or without vacuum, continuous reaction of polymers and other materials.



C.W. Brabender® laboratory

C.W. Brabender® support

A modern applications laboratory is available for all customers and interested parties for trials with their own materials. All **C.W. Brabender®** measuring systems can be tested under ideal conditions. An experienced expert team will assist all tests.

Together we will find the optimal solution to meet your testing needs.

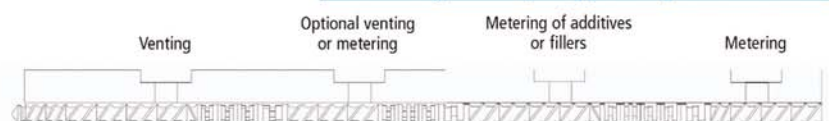
Technical Data

Screw Diameter	Screw Length L/D	Flight Depth	Drive Power	Screw Speed (min ⁻¹)	Screw Torque	Operating Temperature
20 mm	24, 40	3.75 mm	5.2kW	600	2x40 Nm	400°C

Nominal Throughputs (kg/h)

Compounding and stabilizing of HDPE	9 - 15
Filling, incorporation of 40% talc in PE powder	9 - 15
Reinforcing, incorporation of glass fibers 33% in PA 6.6	9 - 12
Production of masterbatch in LDPE, HDPE, PP, PS, PA	10 - 20

TSE 20/40 Blending of a polyphenylene oxide



C.W. Brabender® Instruments, Inc.
 50 E Wesley St., South Hackensack, NJ 07606
 Phone: 201.343.8425 • Fax: 201.343.0608
 cwbi@cwbrabender.com • www.cwbrabender.com

All trademarks are registered.
 Subject to change of design and technical modification without notice.