



C.W. Brabender®  
INSTRUMENTS, INC.

## 3-Piece Mixer

Mixer/Measuring Head

- 3-Piece Design
- 3 Heat Zones
- 60/120ml Capacity



Ideally suited for obtaining torque studies on  
high temperature engineering resins

## 3-Piece Mixer

C.W. Brabender® customers frequently need to conduct a variety of mixing tests on different types of materials. Therefore, we offer a product line of Mixer/Measuring Heads that are commonly used for general mixing studies of flowable materials.

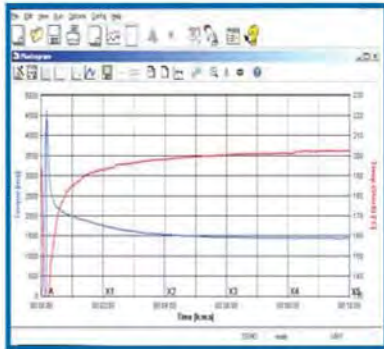
The Mixer/Measuring Head is a miniature internal laboratory mixer (electrically or liquid heated) specially designed for attachment to a C.W. Brabender® drive unit.

The Mixer uses non-intermeshing, counter-rotating mixing blades to homogenize a single or multi component material blend on a laboratory scale volume. Ultimately, it increases the processing flexibility of a laboratory with diverse materials testing requirements.

# Features and Specifications

## C.W. Brabender® - 3-Piece Mixer

### • SOFTWARE •



Thermoplastic Curve

C.W. Brabender® Instruments, Inc. offers two exclusive software programs for mixing needs. WINMIX and MIXCORR...

WINMIX is the custom designed Brabender® Windows™ software program for the Intelli-Torque Plasti-Corder® torque rheometer and the ATR Plasti-Corder®.

The applications software evaluates torque curves and generates data necessary to characterize the material's flow behavior in accordance

with today's standard practices and protocols.

The MIXCORR Program is a Mixer Data Correlation Statistical Analysis Software Program, enabling the operator to overlay multiple curves and evaluate the data graphically and/or statistically.

It is an effective means of further analyzing mixer torque and processing data. In practice, it is helpful in solving processing problems with new formulations.

### Technical Data

The C.W. Brabender® 3-Piece mixing bowl is machined from 303 Stainless Steel and the blades are cast of 304 Stainless Steel. Custom metallic and heat hardened surfaces are available upon request. A torque overload shear coupling is attached to each mixer, protecting the motor drives from torque overload and preventing damage to the Mixer/Measuring Head...

The 3-Piece Mixer can be supplied with 3:2 or 2:3 (drive:driven) gear ratio.  
3 Heating Zones

### Customer Satisfaction

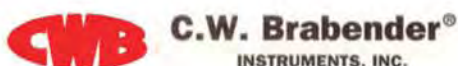
C.W. Brabender® Instruments, Inc. provides unparalleled service and technical support for our customers by employing highly skilled tradesmen, service technicians, and an experienced sales force.

We have a modern application laboratory located at our National Headquarters to benefit the interests of our customers. An experienced technician shall attend to the specific needs of each and every individual, and shall remain present throughout the entirety of the test and trial periods in order to assist in the customer's quest for desired results.

To arrange for a personal demonstration of the 3-Piece Mixer software programs, contact the technical staff at C.W. Brabender®.

Discuss what WE can do  
for YOU...

Blade Type	Blade Displacement	Shear Rate	Suggested Charge 70 % of Total at 1.0 Specific Gravity
Roller	60cc	High	42 g
Banbury	75cc	Medium	53 g
CAM	85cc	Medium	60 g
Sigma	120 cc	Low	84 g



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