

### Ideal for product development and formula optimization

The Benchmix is a versatile and powerful benchtop mixer specifically designed for product development, simulation and scale up. Handling volumes from 1 to 19 liters / .25 to 5 gallons, and speeds up to 12,000 RPM, the Benchmix is ideally suited for any industry.

The Benchmix provides predictable, repeatable results from the development lab to full production when scaling up to an Admix high shear production size mixer - we back this with our process assurance warranty!

A new and improved touchscreen interface provides the option to store over 100 presets for your formulations (set parameters such as bump value, acceleration value, and RPM). The display panel shows the amp draw, RPM and running time for the current batch.

### High shear for your lab and process

Our most widely used mixing impeller for the Benchmix is our patented Rotosolver. The Rotosolver is the most effective high shear mixing head on the market for wetting out and dispersing powders. Its patented design is engineered to provide the optimal balance between shear and flow so that your product is completely homogenous, emulsified, and agglomerate-free in under 10 minutes.

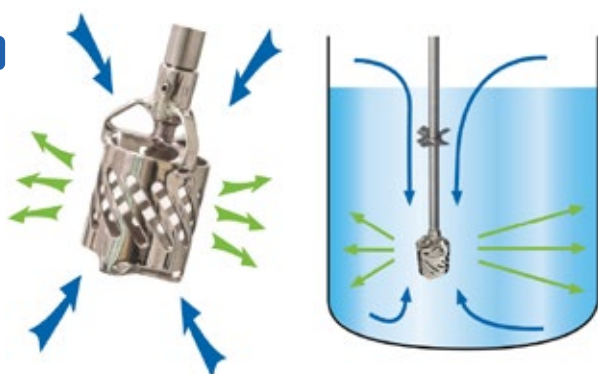
Powders, even when dumped in all at once, are immediately drawn down into the mixing head and up from the bottom, passing through multiple shear surfaces before centrifugal pressure forces material to the periphery. This combination of high shear, converging forces and continual flow means there are no dead zones in the beaker and mixing is completed faster.



## This compact benchtop unit combines power, speed and versatility – features include:

- Delivers up to 2.2 kW / 3 HP
- Variable speed from 300 - 12,000 RPM
- Processes 1-19 liters (.25-5 gallons)
- Easily interchange high shear or low shear mixing impellers
- Auxiliary pumping impeller optional
- 316SS shafting and mix heads
- Glass bead finish stainless cabinet
- Simple operation of electronic lift
- New and improved touch screen interface

**Rotosolver®**  
High Shear Mixer



## COMMITTED TO ADDING VALUE

Our customized solutions and application experience bring unparalleled value to your production process. We are results oriented, with the reputation and resources to ensure that our mixers exceed your expectations.

We encourage you to pre-test ingredients in our lab or set up an equipment trial at your own plant. Ask us for details!



Ask about our

**TRIAL PROGRAM**

or visit [admix.com/trial](http://admix.com/trial)

## Benchmix Specifications and Options

Features	OPLB-375 Benchmix	OPLB-400 Benchmix
Volume	1-19 liters / 0.25-5 gallons	1-19 liters / 0.25-5 gallons
HP	1.1 kW / 1.5 HP	2.22 kW / 3 HP
Output Speed (maximum RPM)	12,000	12,000
Adjustable Beaker Clamp (optional)	✓	✓
Low Batch Adapter (optional)	✓	✓
Scalable	✓	✓
Input Voltage*	1 / 60 / 115	1 / 50-60 / 230
Max Dimensions (at extended height)	119cm x 50cm x 56cm (47”H x 20”W x 22”D)	
Mixing Impeller Options:		
Rotosolver High Shear Impeller	diameter: 29mm (1.14 in.), 40mm (1.57 in.)	
Rotostat High Shear Impeller	diameter: 24mm (0.95 in.) rotor with 50mm (1.97 in.) stator	
Auxiliary Pumping Impeller	diameter: 25mm (1 in.), 42mm (1.66 in.)	
Low Shear Impeller	diameter: 25mm (1 in.), 38mm (1.5 in.), 51mm (2 in.)	

\*The OPLB-375 model includes a 7"x7"x12" (LxWxH) 60 lb. transformer in separate NEMA 3R enclosure.