

IGT SimplyMix Mixer



The **IGT SimplyMix Mixer** is an economical laboratory-sized instrument for the rapid mixing of small amounts of different materials that would otherwise require large amounts of time and/or effort to mix.

FEATURES

- Dual-stage start function reduces gear & wear, prolong life
- Button-less, touch panel operation
- Digital display with multiple icons indicates different states of the mixer
- Long-lasting, enhanced motor delivering high-speed ensuring fine mixing
- Capable of reaching maximum 3,600 rpm within 2 s
- Memory settings allow user to set different mixing durations
- Steel-made, car-paint-covered casing
- CE compliant

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How does it work?

Mixing with the mixer is based on the dual rotation of the mixing cup. The motor rotates the base plate of the mixing unit clockwise while the basket is spun counter-clockwise.

This combination of forces in different planes creates a high speed outward material flow, resulting in laminar shear within the material, giving a pure mixing action in throughout the sample.



The typical mixing time for fully dispersing a powdered pigment into a silicone sealant, or mixing a fumed silica or precipitated chalk silicone formulations is less than 20 s. These are all operations that would otherwise require three hours or more of mixing time. Additionally, the spinning action of the mixer removes air from the blend, yielding a finished product when the mixing process is done.

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COMPARISON

Type of Mixing	Hand-Mix	Eco High Speed Mixer
End result		
Evenness	Unable to get a completely even and consistent mix due to human error	Mix in a constant spinning manner thus able to achieve a uniform and stable mix
Efficiency	Requires much effort and time to mix with a spatula	Requires only the simple operation of the mixer using few buttons
Manpower	Requires one to manually hand mix	One do not have to be present during the mixing
Cleanliness	Unightly and greater risk of mixture dirtying hands and surroundings	Free of stains as mixture is neatly kept in cup, can also be easily transported around lab if required

APPLICATION

With the IGT *SimplyMix*, fluids of disparate viscosities can be blended quickly and evenly. Powders of widely differing densities can be made into a homogeneous blend in 10 to 12s. Powders can be treated with liquids, flushed colours can be mixed with varnishes in similar time frames. Therefore, mixing paint or some quality testing can be done within minutes.

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INK



POLYMER



COSMETICS

Suited for the following industries:



ADHESIVE



EPOXY



GLUE

TECHNICAL DATA

Revolution Speed	Max 3600 RPM
Rotation Speed	Max 800 RPM
Vacuum pressure	N.A.
Mixing capacity	50 ml / 50 g
Dimension (LxWxH)	205 x 245 x 300 mm
Weight	Approx. 18 kg
Power Supply	110V or 230V, 50/60 Hz

IGT Testing Systems

Research, development and production of testing equipment for the printing and allied industries

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