



# Mouldeto

Series

**Ultrasonic Technology** based mould cleaning solutions

*Powerhouse of Ultrasonic Technology*



# What We Do

At Roop Ultrasonix Limited (RTUL), we strive to help our customers increase their productivity by providing cleaning solutions.

Our goal is to provide the best ultrasonic solution for each and every one of our customers. One thing that sets RTUL apart is that cleaning experts provide personal consultations and take multiple trials to guarantee and meet stringent cleanliness requirements.

Let us help you experience a better way to clean your moulds.

**Mouldeto**  
Series

# Advantages of Ultrasonic Cleaning

## Save Time

Ultrasonic cleaners can remove contaminants faster and better than other types of cleaners

## Gentle

Ultrasonic cleaners remove contaminants without abrasion, harsh scrubbing, or high-pressure sprays

## Versatile

Ultrasonic cleaners can remove an almost endless variety of contaminants from a part's surface



## Deep Reach

The high-frequency waves penetrate even hidden passageways, and narrow openings.

## Cost-Effective

Cleaning is done with efficient electricity and transducers, keeping power consumption to a minimum.

## Reliable

The lack of rotating equipment in an ultrasonic cleaner keeps it running reliably for a long time.



## Advantages of Mouldeto Series

The mouldeto series cleaners can be used for cleaning all kinds of moulds. We take great pride in the adaptive nature of mould cleaners series.

# Key Benefits

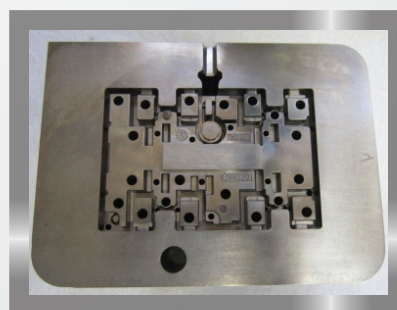
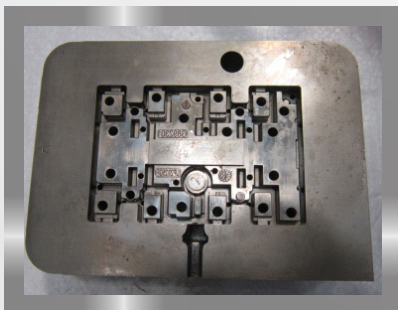
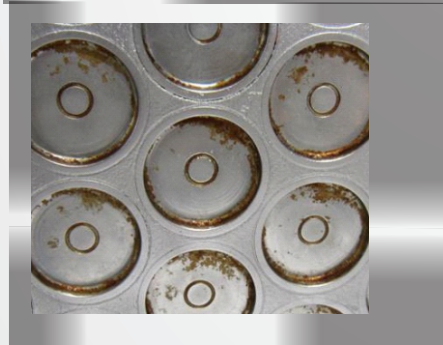
Ultrasonic cleaning is a cost-effective technology as there is minimal labor requirement. The machine is capable of reaching high cleanliness level as well as provide a dependable performance.

- Quick return on investment
- Adjustable configuration to suit customer requirement
- Meet high cleanliness standards
- Low noise

Before Cleaning



After Cleaning



# Clean injection molds

## No scraping or scrubbing - in **15 minutes!**

The RTUL mold and die cleaning system, Mouldeto is a high-tech, low-labor method for cleaning injection molds and dies. Mouldeto removes carbonization, mold release, gassing, flashing, and other residues from molds and dies in as little as 15 minutes.

- Reduce maintenance down-time
- Eliminate hand-cleaning
- Replace troublesome solvents and harsh abrasives that can damage molds
- Improve cleaning effectiveness as chemistry and ultrasonics gently clean even intricate designs and patterns
- Decrease labor expenses.
- Mouldeto mold and die cleaning systems have been proven effective on steel, chrome-plated steel, nickel-plated steel, and electroless-nickel-with-teflon plated steel.

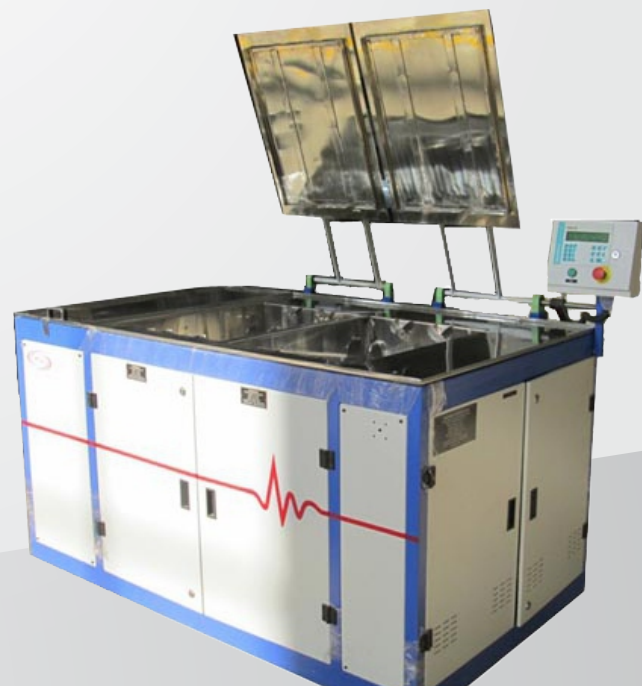
## Maintenance Cleaning Applications

### Mouldeto Plus

- Die casting moulds
- Extrusion tools
- Glass moulds
- Plastic injection moulds
- Press tools
- Punch tools
- Saw blades, wood cutters

### Mouldeto N

- For components with different proportions



# Mouldeto

## Normal Upkeeping



Mouldeto is designed to do maintenance cleaning of complicated parts. It is ideal for cleaning equipment which could get marks or cuts through cleaning.

Ultrasonic cleaning is gentle yet precise. It leverages from the property of water to cavitate when ultrasonic waves are passed through it. The bubbles formed from cavitation reach the most inaccessible holes and crevices.

40-50 %  
cost savings



Basket



# Model Categories

Sr. No.	Tank Capacity	Tank (mm)	O/F @	Effective Basket	Max. Mould Size	Max. Weight	Ux Effect	Heating Effect
1	70	600*400*400	300	450*300*150	400*250*125	50	1.5 KW	4 KW
2	115	615*410*650	550	465*310*400	415*260*350	50	3.0 KW	4 KW
3	180	750*500*610	400	600*350*160	550*300*110	100	3.0 KW	8 KW
4	300	900*700*780	550	700*450*580	720*380*530	200	4.5 KW	12 KW
5	400	1100*700*780	550	900*450*580	800*380*530	300	5.0 KW	12 KW
6	500	850*850*900	700	650*750*650	560*680*580	400	6.0 KW	14 KW
7	700	1050*950*940	700	850*750*600	750*680*500	700	9.0 KW	20 KW

## Key Benefits

- Remarkable cleaning outcome
- Fast cleaning process
- Simple handling
- Safe equipment
- Reduced manual work

## Additional Choices

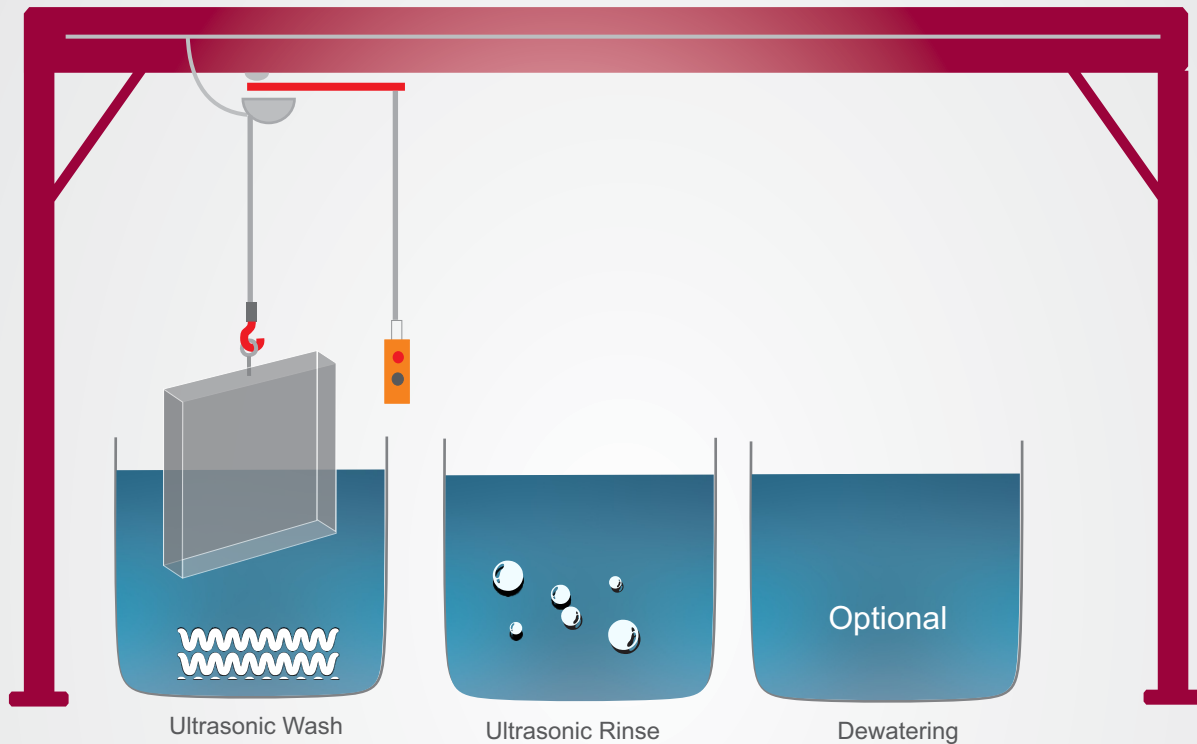
- Cleaning basket - secure parts handling
- Tank cover - encloses heat, sound and vapour
- Pneumatic lid actuation - enhances operation
- Bath life extension through filtration
- Additional noise insulation
- Rinse tank
- Air agitation for rinse tank - increases rinsing efficiency

# Mould Cleaning Process

1. Ultrasonic wash at 80°C for about 5-15 minutes
2. Rinsing with air bubble agitation for about 1 minute

Optional

3. Preservation with dewatering or hot passivation for about 1 minute
4. Inspection / manual intervention



## Cleaning Chemical



Detergent/cleaning solvent is essential for achieving high cleanliness level. During ultrasonic washing we require a high pH level cleaner. RTUL's cleaning solvent is a strong cleaning solution which can work effectively on the most difficult contaminations without eroding surface layer. of the component to be cleaned.

**ROOP ULTRASONIX LIMITED**

