

Mixers Technology CENTRE

Air Mixers



SAMT

Specialised Air Motors and Transmission



TONSON®

HAND HELD AIR MIXER (5 Gallon)



TS-LM2
Piston
Air Motor



TS-LM2
Vane
Air Motor



Shaft
Stabler
Available



TS-AD3-4
Hand Held
Air Mixer



TS-ED4
Electric Mixer
not Explosion-proof

SPECIAL




Different Functional
Blades Available Fixed &
Hand Held

SPECIFICATION			
Model	Power	Shaft Dimension	Blade
1V Vane Air Motor	1/2HP	Ø12mmX550mm	4"X1
1VA Vane Air Motor	1/3HP		
2V Vane Air Motor	1HP		
4V Vane Air Motor	1 1/2HP	Ø16mmX550mm	

Model	Power	Shaft Dimension	Blade
M1 Piston Air Motor	1/8HP	Ø12mmX550mm	4"X1
M2 Piston Air Motor	1/6HP		
M3 Piston Air Motor	1/4HP	Ø16mmX550mm	
M4 Piston Air Motor	1/3HP		
M5 Piston Air Motor	1/2HP		

Model	Power	Shaft Dimension	Blade
TS-AD 3-4	1/2HP	Ø12mmX550mm (Clip Size 1/4")	4"X1
TS-ED4	1/2HP		

ANGLE BUNG ENTRY AIR MIXER (50 Gallon/2" Bung - 200L)



TS-50T
Piston
Air Motor



TS-50T
Vane Air Motor



Chromium-Plated
Air Motor

SPECIFICATION

Model	Power	Shaft Dimension	Collapsible
M3	1/4HP	Ø 12.7mmX840mm	6" X2
M4	1/3HP		6" X1 10" X1
M5	1/2HP		10" X2
M6	3/4HP	Ø 16mmX880mm	6" X2
2V	1HP		6" X1 10" X1
4V	1 1/2HP		10" X2
6V	4HP		
8V	5HP		

CUSTOM SMALL



Closed to enter drum or bulk tank, opens up with mixing rotation. Depends on the viscosity of materials to use 1 or 2 or 3 impellers.



Not in use



In use



Apply to Hand
Held Air Mixer



Apply to IBC
Air Mixer

C-CLAMP AIR MIXER (50 Gallon Open Drum - 200L)

When the atmospheric temperature is higher than the temperature of air motors, relative humidity effect occurs causing sweats on the surface of air motors. Thus, contamination shield is recommended.



TS-50R
Piston
Air Motor

TS-50R
Vane
Air Motor

TS-50-R-CS
with Contamination shield

CUSTOM



B C-Clamp for
small tanks



TS-50RL
with Reverse Control

F
Contamination shield available in different sizes

TS-50R SPECIFICATION

Type	Power	Shaft Dimension	Blade
M3	1/4HP	Ø 16mmX880mm	6" X1 8" X1
M4	1/3HP		
M5	1/2HP		8" X2
M6	3/4HP		
M7	1HP	Ø 16mmX880mm	6" X1 8" X1
2V	1HP		
4V	1 1/2HP	Ø 16mmX880mm	8" X2
6V	4HP	Ø 20mmX880mm	
8V	5HP		

C-Clamp mount portable air mixer is suitable for mixing large volumes of light and medium viscosity materials in open drum. Operating angles may be easily adjusted for the most efficient mixing position.

CROSS TANK MOUNT AIR MIXER (50 Gallon Open Drum - 200L)

An excellent cost effective solution for mixing and blending of light to medium viscosity materials. Mount bracket will securely fit on almost any steel drum. It can be easily moved from on tank to another.

TS-50C
Piston
Air Motor



TS-50C
Vane
Air Motor

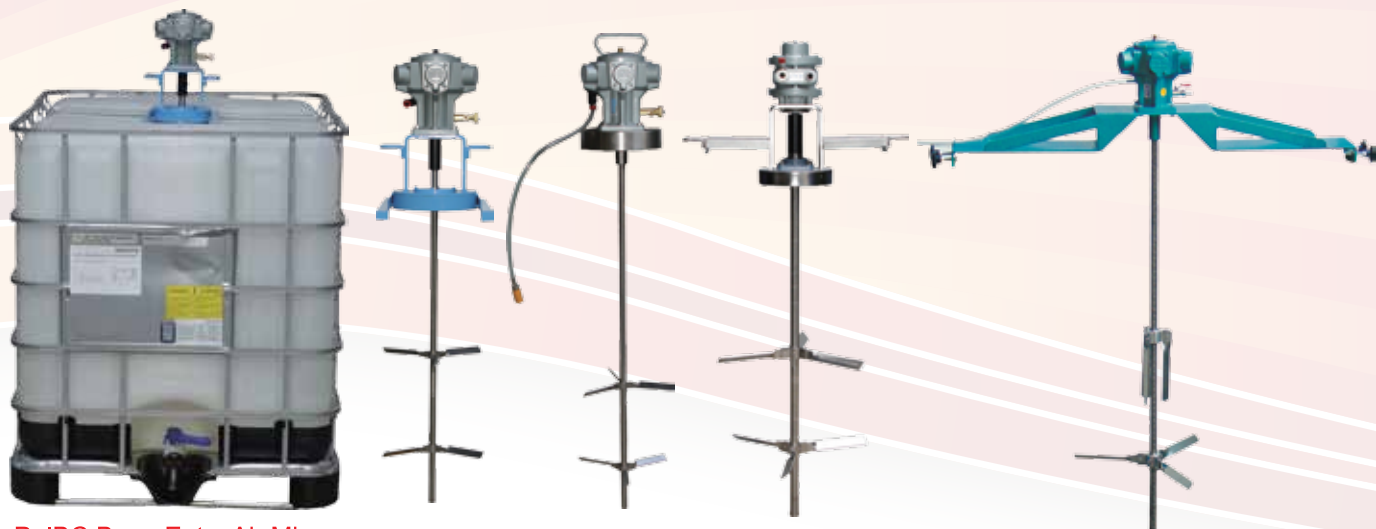


TS-50C SPECIFICATION

Type	Power	Shaft Dimen.	Blade
M3	1/4HP	Ø 16mmX800mm	6" X1 8" X1
M4	1/3HP		
M5	1/2HP		8" X2
M6	3/4HP		
M7	1HP	Ø 20mmX800mm	8" X1 10" X1
2V	1HP		6" X2
4V	1 1/2HP	Ø 16mmX800mm	6" X1 8" X1
6V	4HP	Ø 20mmX800mm	8" X2
8V	5HP	Ø 25mmX800mm	10" X2

Optional: SUS Shafts & Blades

IBC TANK AIR MIXER



P IBC Bung Entry Air Mixer

P2 Vane Air Motor

Q IBC Cross Tank Mount Air Mixer
IBC Stand Air Mixer available (P40)

IBC TANK STAND AIR MIXER



M7-TU-IBC
Double Cylinders
Stand Air Mixer

Idea for IBC tanks or
tanks over one ton.
More stable with
double cylinders.

R
Enlarge
Model for
Huge Drums

MOBILE STAND AIR MIXER (200L)



TU
Piston Stand Air Mixer

1hp Piston Air Motor

Vane Air Motor

with Reducer to
increase Torque

Maximum
height is
970mm
after air
mixer
raises.

Accommodates drum or tanks
up to 960mm in diameter.

TU Series air lift mixer is ruggedly constructed from C channel steel. Equipped with 4 sturdy casters (2 fixed and 2 swivel) for easy movability. One set of casters has brakes for securely locking the stand in place. Different Accessories may order:



Contamination Shield



Drum Belt Support



Drum Side Clamps



Easy Handlebar



High Model



Fixed height of blades from ground



High Torque & High Speed Air Motor

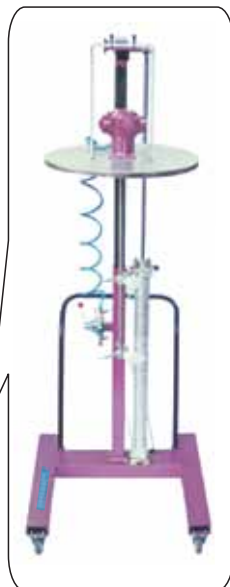


Stainless Steel Frame with Teflon Coated Shaft & Blade

EQUIPPED WITH COVER AND PUMP (200L)



TU-C Equipped with Cover
No spilling, evaporating and contamination of material while mixing.

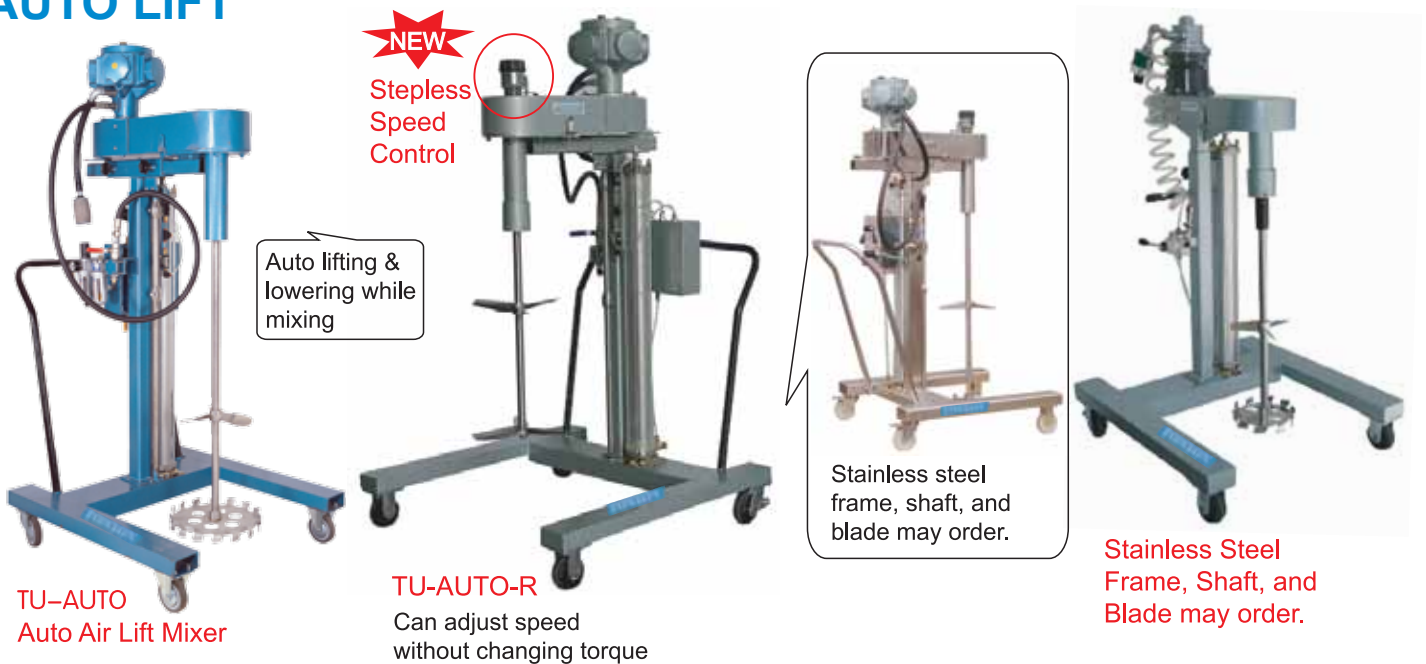


TU-CP Equipped with Cover and Pump





AUTO LIFT





5 GALLONS (20L) AIR MIXER



TS-HA Piston
Manual Lift Air Mixer



TS-HA Vane
Manual Lift Air Mixer

Suitable for
5 gallons
square or
round tanks.



TB Piston
Air Lift Mixer



TB Vane
Air Lift Mixer



TB-1 Piston
Mobile Air Lift Mixer



TB-1 Vane
Mobile Air Lift Mixer



K1 U Shape Base
Mobile Air Lift Mixer



K U Shape Base
Large power Mixer

FOUR LEGS STAND



TS-5A Piston
Four Legs Stand Air Mixer



TS-5A Vane
Four Legs Stand Air Mixer

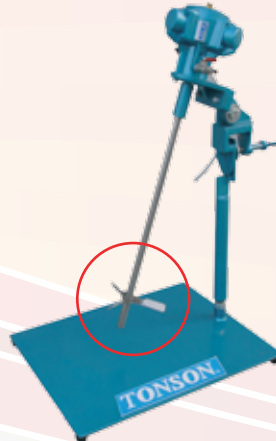


Enlarge Model
with Drum Fixer



w/ Reducer

EXTENDABLE



TS-5T Piston
Extendable Air Mixer



Before After Turning

Blades extend by centrifugal force when operating and retracts when stopped.



U-Shape Base High
Model Extendable
Air Mixer

LABORATORY AIR MIXER



TS-FL Piston Air Motor
for 1 gallon circular tank



TS-FL Vane Air Motor
for 1 gallon circular tank



TS-FL-1
Piston Air Motor
with Tank Fixer



TS-FL-1
Vane Air Motor
with Tank Fixer



TS-FL-1-FRL
Piston Air Motor with
Tank Fixer & FRL



TS-FL-1-FRL
Vane Air Motor with
Tank Fixer & FRL



TS-LAU
Piston Air Motor
with Cylinder Lift
Easy Operation



Piston or Vane Air Motor,
Stainless Steel Frame,
and C Channel Steel
Base may order

SPECIFICATION (1 gallon Air Mixer)

Model	Power	Shaft Dim.	Blade
Piston	0.1HP	Ø12X250mm	2 ³ / ₄ "X1
Vane	1/3HP		
A Vane	1/2HP		
Vane	0.93HP		
Vane	1 ¹ / ₂ HP		
Optional: Stainless Steel Shafts & Blades			

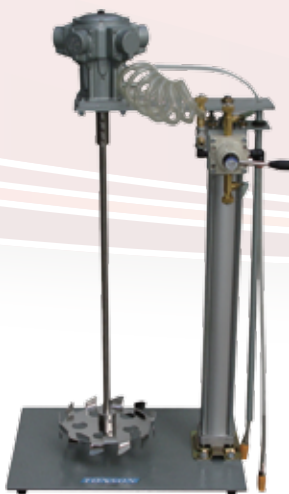
OPTIONAL ACCESSORIES



60L-100L AIR MIXER



TS-LHA 60kg
Manual Lift Air Mixer



TB-L 60kg Air
Lift Air Mixer



STU U Shape Base
Mobile Air Lift Mixer



TS-UHA-SUS
Stainless Steel Frame
U Shape Base
Manual Lift Air Mixer

SPECIFICATION (20L-100L Air Mixer)

Model	Power	Air Lift	Manual Lift	Extendable	Four Legs	Blade
M1Piston	1/8HP	Ø 12mmX520mm	Ø 12mmX550mm	Ø 16mmX520mm	Ø 12mmX420mm	6" X1
M2Piston	1/6HP					
M3Piston	1/4HP	Ø 16mmX520mm	Ø 16mmX550mm	Ø 16mmX520mm	Ø 16mmX420mm	6" X1
M4Piston	1/3HP					
M5Piston	1/2HP			Ø 16mmX520mm		
2V Vane	0.93HP	Ø 12mmX520mm	Ø 12mmX550mm	Ø 16mmX520mm	Ø 12mmX420mm	6" X1
4V Vane	1.71HP	Ø 16 X520	Ø 16 X550		Ø 16 X420	6" X1

20L-100L CUSTOM AIR MIXER



D1 SS Air Lift Vane
Air Mixer with F.R.L.



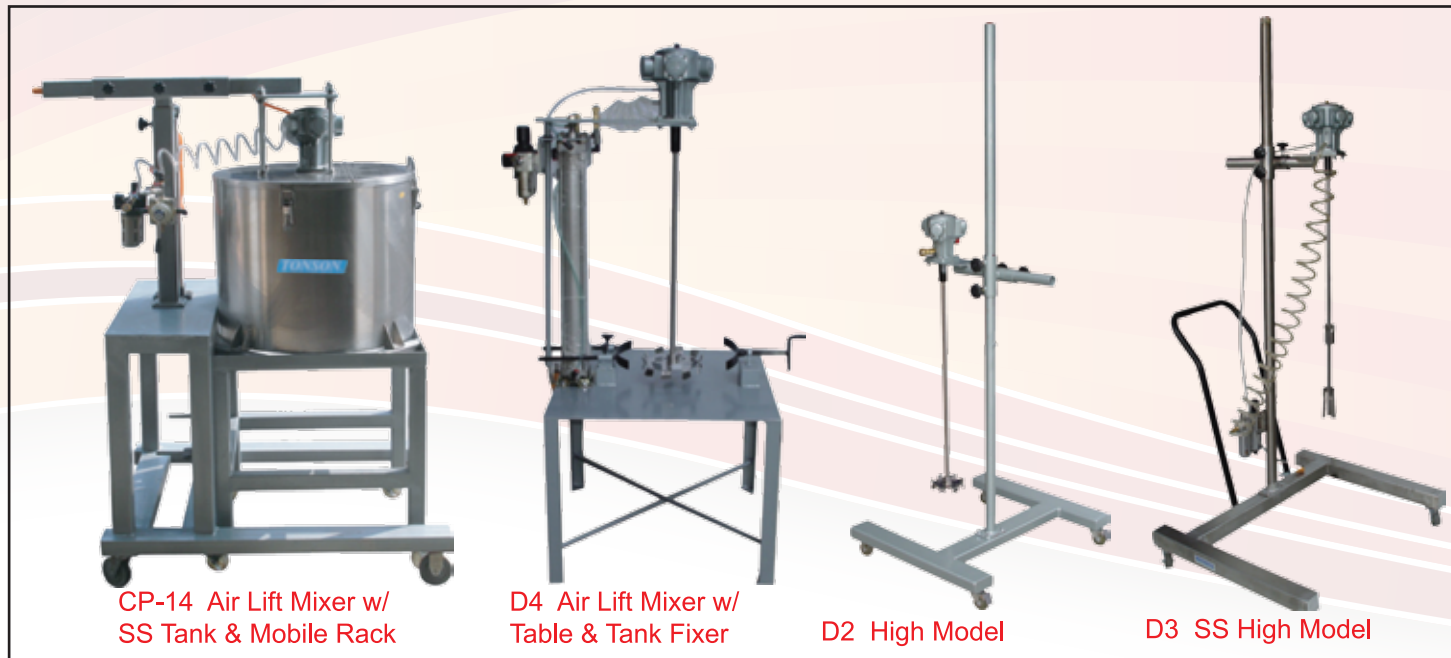
D SS Air Lift Air Mixer
w/ F.R.L. & Tank Fixer



TS-FH-1
with Tank Fixer



Stainless Steel Frame in
all models may be ordered



CUSTOMISED AIR MIXERS

CUSTOM: CROSS TANK MOUNT AIR MIXER



LARGE-SCALE CROSS TANK MOUNT



S1



S2



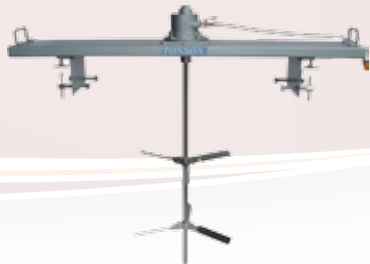
S with High Viscosity Blade



S3 with 1hp Piston Air Motor



S4 with Collapsible Blades



S5 with High Speed Vane Air motor

CUSTOM AIR MIXER WITH COVER



F1 Air Mixer with 3/4hp Air Motor & Big Tank



F2 Vane Air Mixer with Airtight Cover



F3 1hp High Powered Air Mixer with SUS Tank & Dual-Opened Cover

SPECIAL AIR MIXER

Large spiral-shaped blade mixes paints, resins, urethanes and epoxies efficiently. Particularly effective for semiconductor manufacturing process and mixing higher viscosity fluids. Stainless steel models are water base compatible. Teflon coating available for strong acid/alkali resistance.



H Dual-Position Air Mixer



G Plastic Cross Tank Mount Mixer



Special mixers for various plastic tanks may order



N Emulsify



HM Helix

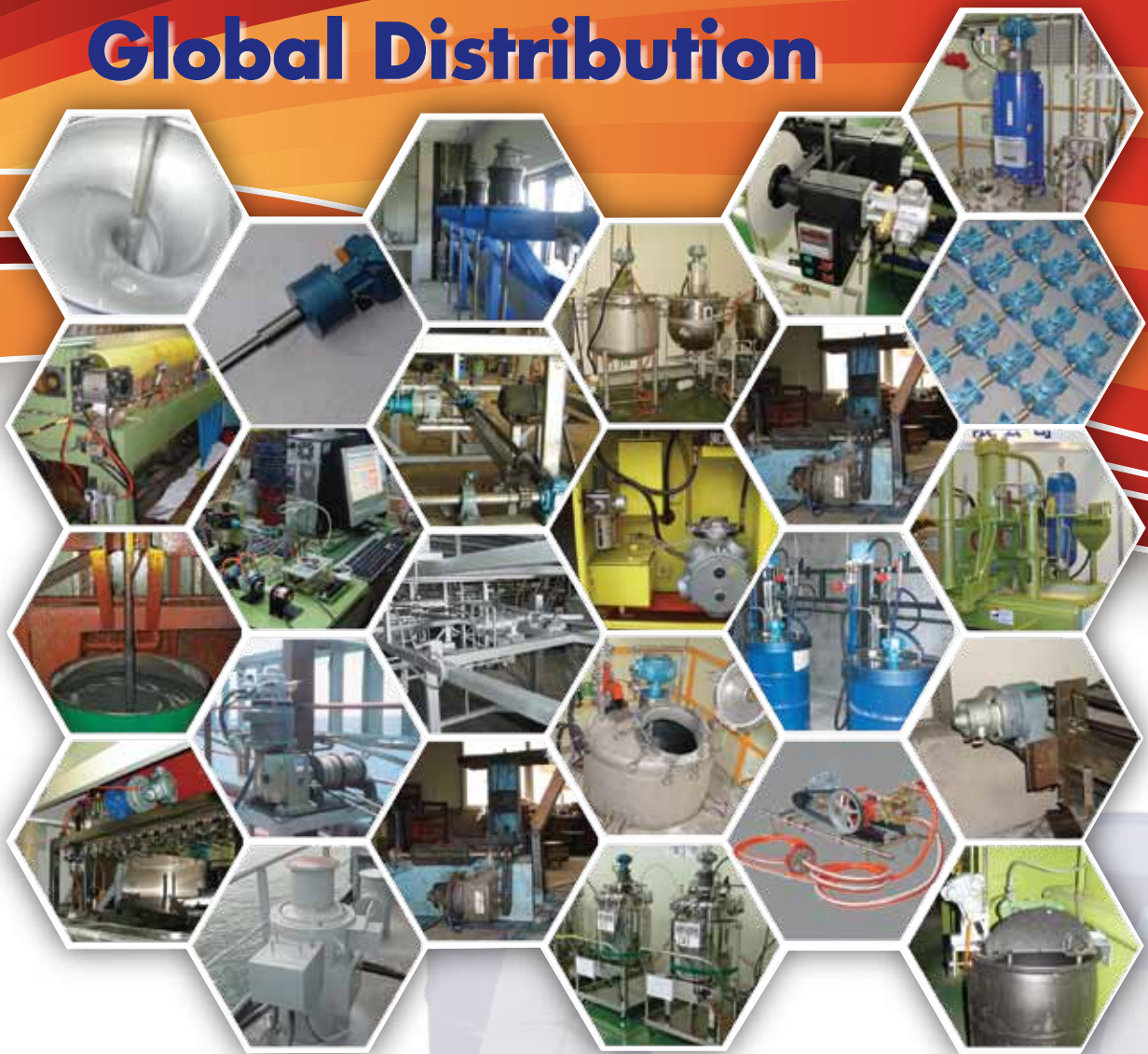


N1 with Rings



N2 with Reducer Shaft Stabler

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