



V T S E R I E S - V I B R A T O R Y T R O U G H M A C H I N E S

DESCRIPTION :

The VT Tub/trough vibratory finishing machine is an in-line arranged system finishing machine. The unit is designed to allow the finishing of all parts from very long to small batch components. With the installation of dividing plates, the machine can be converted into a series of small machines for processing a wide variety of parts in different medias, at the same time. The tub/trough machine is capable of producing a very rigorous, circular deburring action but can also be finely adjusted by use of the process speed controller to finish more delicate parts. Part loading is manual as is part removal. Reduction of the operating speed during unloading eases the collection of parts from the rotating media.

T U B :

The vibratory tub/trough system is an all welded structure manufactured from mild steel and mounted on coil compression springs. The tub itself is stress relieved and lined with cast polyurethane elastomer with a minimum wall thickness of 18mm and hot cured at 110oC. Shore hardness on wear areas is 65XD with a UTS of 30MPa and UE of 450%. The material resists all common acids.

D R I V E :

Fitted with a 1 kW direct drive, foot-mounted, heavy duty vibration motor, designed for use on either 230V/single phase or 415V/3ph/50-60Hz supply.

S P R I N G S :

High column strength coil compression type, designed to prevent vibration transfer to the floor.

F A S T E N I N G S :

All major component fastenings are high tensile, grade 8.8. All nuts are fitted with plastic anti-vibration inserts.

O P T I O N A L E N C L O S U R E :

The machine can be supplied encased within a sound deadening enclosure which keeps the machine operating below the 85dBA sound level. Access to the work trough is via a gas or pneumatically assisted lid strut

D I V I D E R S :

The machine can be supplied with cast urethane removable dividing plates allowing compartments to be utilised for smaller parts. These can be removed for finishing of longer parts.

S W I T C H G E A R :

The machine is supplied with a built in on/off/reverse controller that includes a variable speed process unit.

Base Model	Description	Internal Dimensions of the tub/trough - mm w x d x l	Drive & Power Supply
VT2	Vibratory Tub machine - manual pick out of parts only. Includes single phase input control panel with speed/process control.	400 x 450 x 500	0.75kW / 230V / single phase 50-60Hz supply
VT5	Vibratory Tub machine - manual pick out of parts only. Includes single phase input control panel with speed/process control.	400 x 400 x 800	0.75kW / 230V / single phase 50-60Hz supply
VT7	Vibratory Tub machine - manual pick out of parts only. Includes single phase input control panel with speed/process control.	400 x 400 x 1000	0.75kW / 230V / single phase 50-60Hz supply
VT9	Vibratory Tub machine - manual pick out of parts only. Includes single phase input control panel with speed/process control.	550 x 550 x 1000	1.5kW / 230V / single phase 50-60Hz supply
VT10	Vibratory Tub machine - manual pick out of parts only. Includes single phase input control panel with speed/process control.	600 x 600 x 700	1.5kW / 230V / single phase 50-60Hz supply
VT12	Vibratory Tub machine - manual pick out of parts only. Includes single phase input control panel with speed/process control.	450 x 450 x 1250	1.5kW / 230V / single phase 50-60Hz supply
VT15	Vibratory Tub machine - manual pick out of parts only. Includes single phase input control panel with speed/process control.	500 x 550 x 1250	2.2kW / 415V / 3ph / 50-60Hz supply
VT16	Vibratory Tub machine - manual pick out of parts only. Includes single phase input control panel with speed/process control.	600 x 600 x 1500	2.2kW / 415V / 3ph / 50-60Hz supply
VT20	Vibratory Tub machine - manual pick out of parts only. Includes single phase input control panel with speed/process control.	750 x 700 x 1475	2.2kW / 415V / 3ph / 50-60Hz supply
VT24	Vibratory Tub machine - manual pick out of parts only. Includes single phase input control panel with speed/process control.	580 x 580 x 2100	2.2 kW / 415V / 3ph / 50-60Hz supply

