

Description

The machine is designed for degreasing and drying of aluminium foils in semiconductor industry. Degreasing is done in several baths with toluene acetone and ethanol with support of ultrasound for increased efficiency of the cleaning. At the end of the process the foils are dried by heated nitrogen. Due to placement of the machine in the zone with increased danger of explosion, the machine is certificated as an Ex according to ATEX 100. The machine is made of stainless steel, working space is closed by uprising cover with conterweights. Control of all valves is pneumatic. Controlling system secures timing of processes, operation of ultrasonic emitors and driers. Refilling of the baths with chemicals is manual or automatic from main supply or distribution boxes.

Features:

- the machine is designed to be inbuilt to a wall, all controls and working space is available from the side of the clean room
- all baths are made for 4" carriers with handle and manually operated covers
- three pairs of rinsing baths with organic solvents
 - two baths with toluene and ultrasonic emitors
 - two baths with acetone
 - two baths with ethanol
 - manual refilling of the baths from containers
 - manual release from the baths by pneumatic valves
 - possibility of refilling the baths automatically from the main supply
 - drying bath with blower with heated nitrogen
- PLC control system secures
 - controlling, service and operation functions, failure warnings
 - control of liquid level of toluene baths and timing and operation of ultrasonic emitors
 - control of operation of the working space exhaustion
- illuminated working space
- storage space for containers in lower part of the box



Proportions and specification

Width: 1940 mm
Depth: 1345 mm
Height: 2100 mm (the highest point of raised cover 2550mm)
Weight: 500 kg