

## TRACTOR

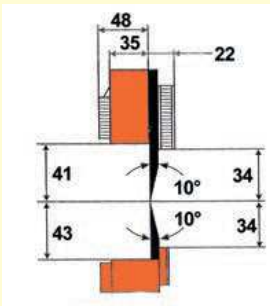
TRACTOR depaneling machine separates the prescored PCB, in a very quick and economic way.

The compact and stable aluminium frame requires a minimum space.

The assembled PCB panel is shoved between the circular blades and is thereby separated.

The circular blades and guides are made of special steel to ensure a long time life.

The hand model is suggested only for small productions.



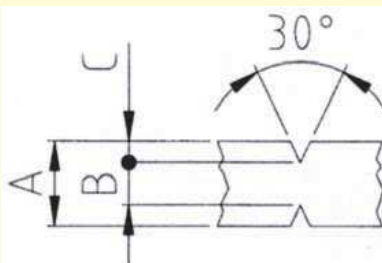
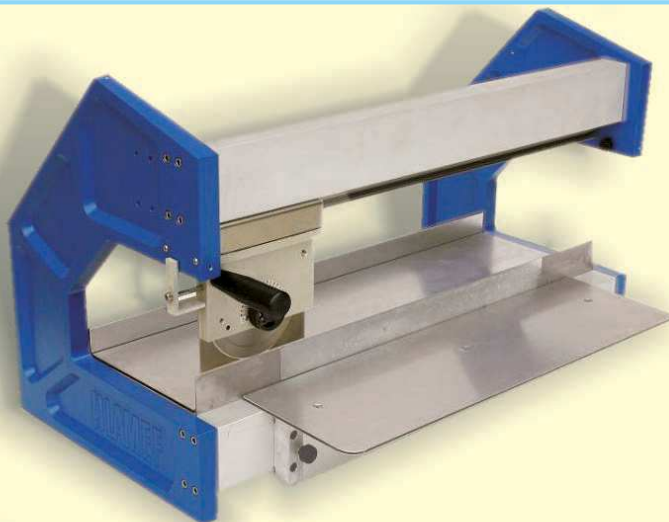
Separation length:  
Thickness of panels:  
Maximum components's height:

up to 350mm  
0.8 - 3.2mm  
34 - 43mm

7915.580  
7915.582  
7915.583

TRACTOR - PCB Hand depaneling machine  
TRACTOR - PCB Motorized depaneling machine 230V  
TRACTOR - PCB Motorized depaneling machine 230V/ Titan blades

## TRACTOR 2



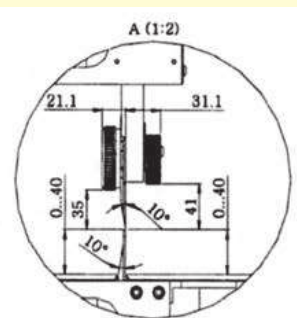
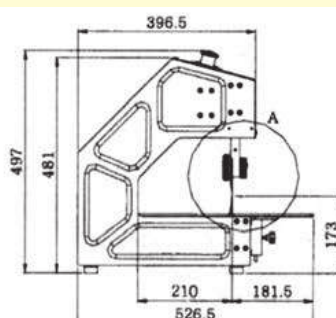
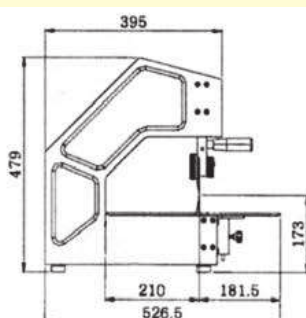
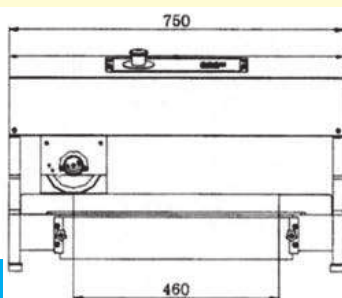
A = 1.0 - 3.2mm  
B = min.0.3mm  
max.0.8mm  
C = min.0.25mm

7915.560  
7915.564

TRACTOR 2 separates both small and large pre-scored PCBs, the maximum separation length is 450mm. The PCB is placed with its pre-scored groove onto the linear blade and the circular blade is then drawn by hand, or by motor, across the PCB. The clearance between the upper circular blade and the lower linear blade is adjustable

TRACTOR 2 - PCB Hand depaneling machine  
TRACTOR 2M - PCB Motorized depaneling machine 230V

## TRACTOR 2M



## TRACTOR-MILL

The Tractor Mill depaneling machine mills the routed tabs with the same quality of an automatic system at a lower costs.

The key feature of this machine is the easy and quick change of the milling cutter and the interchangeable rail (patent pending). This rail is useful to assist the operator to place and drag the circuit until the cut is complete. The particular shape of the rail avoids any damages to the assembled circuit: if the operator inserts it incorrectly it will not match the eyelet. This rail gives a total protection against possible accidents under safety rules.

This manual depaneling machine has an integrated electric vacuum cleaner system therefore it's easy to place it in every working area.

It has been designed and realized to solve stress problems, break or tearing out of the PCB's fibers that often occur using standard blades or manual tools and that are not tolerated with the increasing complexity and miniaturization.

### Technical features:

Aspiration:	three phase / single phase turbine
Weight:	55 Kg
Mains Supply:	400V/50Hz -230V/50Hz
Power:	1.3kW - 1.1kW
Depression:	-17 kPa (-170 mBar) / -15 kPa (-150 mBar)
Air Pressure:	7 bar
Hose connection:	Ø 8mm
Compressed air consumption:	max. 210 NI/min - average 140 NI/min

7915.590

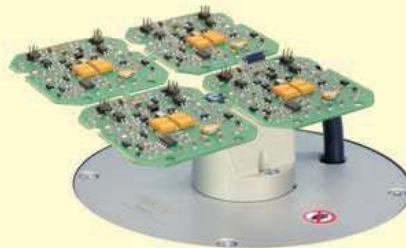
TRACTOR-MILL depaneling machine with pedal



- 1 Choose the right mill: 1.5 - 2.5mm  
Choose the right rail



- 2 Move the PCB array towards the mill



- 3 The mill removes the PCB's tabs



7820.031



7820.001

## GOSMOKE

The GOSMOKE exhaustor is a convenient and economical solution to the fumes associated with soft soldering. Fumes close to the worker are drawn in, filtered and direct towards the ceiling where supplementary ventilation can be eventually provided.

There are two models, both of them are equipped with an axial fan and a cellular activated filter, which filters out some of the colophony, tin and lead vapours contained in the fumes. The filter should be replaced every 100 working hours.

### - table model:

This portable suction unit is light, space saving and quiet, by using the adjustable support the exhaustor can be hung above the work table at different heights and tilted at different angles.

### - hanging model:

With an adjustable bracket it is a better solution to reach a larger area of the workbench. This model is also available with a halogen lamp .

### TECHNICAL FEATURES

power:	20 W
air volume:	130 m <sup>3</sup> /h
noise:	45 dB(A)

7820.001  
7820.003  
7820.004

Exhaustor 230V (table model)  
Set of 4 spare filters  
Adjustable support for table model

7820.021  
7820.031

Exhaustor 230V (hanging model)  
Exhaustor 230V (hanging model) with lamp.  
All GOSMOKE exhaustors  
are supplied with 4 spare filters.