SPECIFICATION CCSS 001

UPSTROKE SEMI AUTOMATIC SAWING MACHINE FOR POLYPROPYLENE INDUSTRIAL CELL CONTAINERS.

One off Semi Automatic cutting saw for the cutting to length of Industrial Cell polypropylene containers.

Sawing machine specification:

The sawing machine will be a standalone unit capable of cutting polypropylene industrial cell containers to required container heights + or – 1 mm on the required length.

The machine will contain an adjustable length stop for setting cutting lengths, pneumatic clamps for holding the containers whilst cutting.

The machine will cut to length all the DIN and BS cell lengths as shown on the following issued drawings:

BS 10003 Box details for BS cells.
DIN 15505 Box details for DIN cells.

The maximum section size for a DIN cell is 197.8 x 205 mm.
The maximum section size for a BS cell is 157.7 x 205 mm.

The saw has a lid which is locked in place whilst cutting is being undertaken hence providing maximum protection to the operative.

Service requirements:

Electricity: 380 Volts 5 kW, 3 ph, 50 Hz supply.

Compressed air: Dry clean air at 6 bar, approximately 10 cfm.

Dimension: 1400 wide x 1000 deep x 1600 high. Weight approximately 620 kgs.

Sawing machine operation:

The cutting blade of the machine is always below the machine base plate out of the way of the operator.

Firstly, the operator needs to set the dimension of the final box height. This is done by adjusting a stop at the side of the machine. The cutting blade is the reference point. Once the cutting length as been set the container is loaded into the saw and fixed against the foot

stop. It is then clamped in position by the pneumatic clamps. The lid is closed by the operator. The operator then presses the blade start button. When the blade speed light is indicated (blade up to speed) the operator then again presses the start button. At this point the machine lid is automatically locked and the cutting stroke commences. Once the blade has completed it stroke (the blade is back below the machine bed) it stops rotating, at this point the machine lid is automatically un locked. The operator can then lift the lid, release the box clamps and removes the cut container.

The above procedure is repeated for each box cut.