

## Schred Material Recycling System

### The Concept

Schred is an in-house recycling system. This equipment is suitable for use with most types of plastic, in particular the commonly used ones such as HDPE and LDPE (the materials most milk bottles are made from), HIPS (vacuum forming sheets) and acrylic.



### The Process

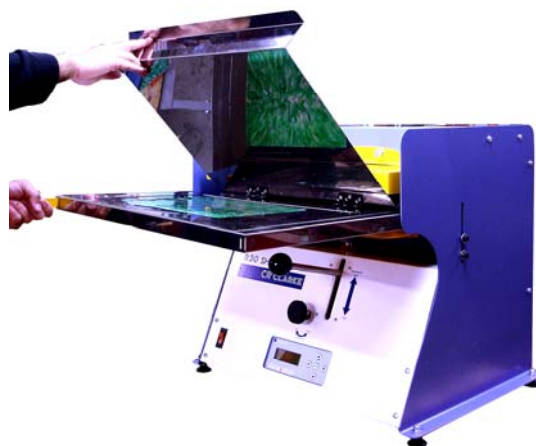
#### Shred your used plastic



The **R25 Schredder** chips plastic material into small pieces. This reduces the volume of waste by up to 95%, and also creates a re-usable material.

#### Re-form the shredded material into new plastic sheet

The **R30 sheet press** forms the chipped plastic into new sheets of material ready for use.



## Applications for Commonly Re-Formed Plastic Sheets

Material	Application
HDPE*/LDPE* (milk bottles)	Can be cut using a bandsaw, vibrating saw or laser cutter. Can be folding using a strip heater. Can be injection moulded.
HIPS (vacuum forming sheets)	Can be vacuum formed. Can be cut using a bandsaw or vibrating saw. Can be folded using a strip heater.
Acrylic	Can be cut using a bandsaw, vibrating saw or laser cutter. Can be folding using a strip heater.

\* When using liquid containers, washing processes must be carried out to ensure hygienic operation.



## Equipment

### R25 Schredder

The R25 Shredder is mounted on castors for ease of movement, and plugs into a standard 13A socket outlet. Plastic materials to be shredded are loaded into the top hopper, and are chopped between rotating and static blades. A filter screen in the bottom of the machine ensures that all material pieces are less than 5mm in size.

R25 Schred Material Shredder 230V

£2850.00



### R30 Sheet Press

The shredded material is sprinkled onto a moulding tray. This is then loaded into the heat press, and pressure is applied. This softens the material and fuses the granules together. The finished sheet is not as homogenized as, for example, a commercially moulded part, but is perfect for low-stress applications. The R30 press can form sheets up to 458 x 305mm in size. One frame is supplied with the machine to make a sheet 458 x 254mm, other sizes are available to order.

R30 Sheet Press

£2495.00

R30S Stand with castors and storage

£295.00

R30T Sheet Tray, available in various sizes (each)

£150.00

