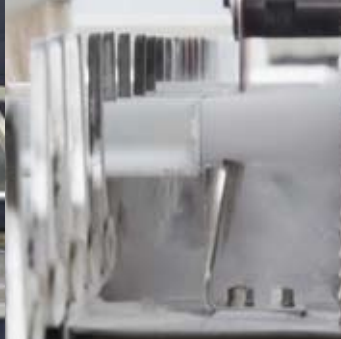


MRT End Cut Machine





The end cut / air push concept is a well proven method for achieving exceptionally clean glass from lamp recycling. The high capacity and versatility of our ECM machines have made them in high demand both by recyclers and lamp manufacturers who recycle their own production rejects.

Fluorescent tubes of various diameters are fed to the ECM. **First** the tube ends are removed and **secondly** the air push nozzles clear the tubes from the phosphor powder. High precision in this processing step is very important for achieving a clean glass fraction. We are proud to say that MRT's ECM provides the cleanest glass available from a lamp recycling process. This is thanks to its unique blowing procedure while the tube is still in motion. **Finally** the tube ends, glass and powder are collected. The possibility of re-using the extracted phosphor powder has come forward as a great benefit.

Options:

End cap crush and sieve system: for separation of ferrous metals and aluminium components from the waste glass (end cap lead glass).

Extra wide ECM for processing tubes up to 2400mm

Row burner system which cuts the tubes by way of thermal shock. Using this method gives the possibility of obtaining an even purer powder fraction. As opposed to the disc cutting method (default) there will be no fine glass in the powder fraction.

MRT Analyzer: a detection system for identifying and collecting various phosphor powder qualities in order to re-use the powder. Requires row burner system.

TECHNICAL DATA

Input materials: Fluorescent tube lamps
 Tube lengths: 600mm – 1800mm
 Tube diameters: 16,26,38 mm

Output materials: Clean glass, scrap glass, aluminium end caps, fluorescent powder

Operational temperature range: + 10°C - + 35°C

CAPACITY up to 5000 lamps/hour

DIMENSIONS Length: 4 000 mm
 Width: 4 000 mm
 Height: 2 400 mm

UTILITIES

Electrical connection: 400V 50Hz

Electrical consumption: Max. 22 kW

Compressed air: 420 Nm³ / hour
 Supply pressure: 6 bar, dry, oil free

EMISSION & LEACHATE VALUES

Hg emission: max 0.025 mg/m³

Hg concentration in glass fraction: max. 0,1 mg/l
 leachate procedure in accordance with DIN 38414

We reserve the right to change technical data without notice.

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