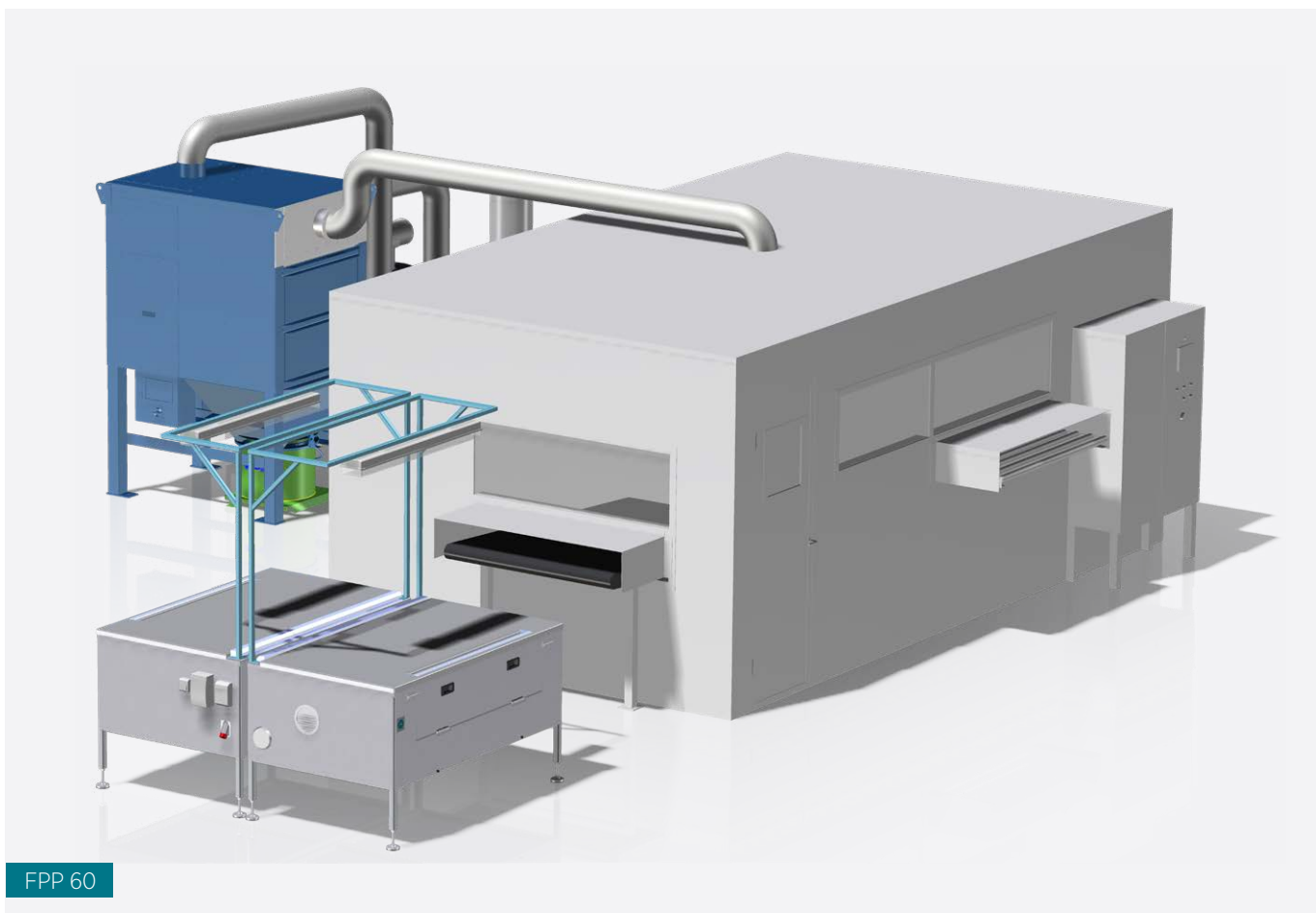# FPP 60 – FLAT PANEL PROCESSOR

Recycling with increased Efficiency and Profitability

FPP 60

GENERAL INTRODUCTION

The flat panel processor is a versatile machine to disassemble a large range of LCD panels. The processor allows for secure extraction of the fluorescent lamps and separation into the different fractions. The processor can be fed manually or mechanically via conveyor belts. The FPP cutters automatically make 2 cuts at the perimeter of the panel, allowing for clean and safe separation. The processor can be fed with panels up to 1600mm x 1200mm and 60kg.

TECHNICAL SPECIFICATIONS FLAT PANEL PROCESSOR (FPP 60)

Capacity:
For panels up to 23": ....up to 60 panels/hour
For panels larger than 23": ....up to 30 – 60 panels/hour
Panel stands will have to be removed before processing the panels.
The machine is enclosed and ventilated.

Media:
Electrical connection:..400V, 50Hz, max. 20 kW
Supply pressure: ....6 bar

Dimensions: (footprint incl. ventilation station)
Length:...10 000 mm
Width:..7 000 mm
Height:...3 000 mm

Operational temperature range:
.... +10 C° – +35 C°

Outputs:
Flat panels with cut frames allowing for safe and easy removal of CCFLs /mercury backlights.
PMMA plastics
Other types of plastic

Foils
Electronic boards
Fluorescent lamps
Metals (aluminium, ferro)

Hg emission to the atmosphere:
Working area: ....max 0.020 mg/m³
Exhaust: ....max 0.020 mg/m³
The room has to be ventilated by fresh air not less than 3 exchanges/h. The Hg concentration is mainly depending on how waste is handled in the room and how maintenance work on the equipment is executed. The machine itself generates only negligible amounts of mercury concentration in the room during operation.

Exhaust:
Exhaust flow: .... max 1000 m³/h
Exhaust duct:...Ø 160 mm

The process air is discharged through series connected carbon filters.

PURCHASE SPECIFICATIONS AND ADDITIONABLE OPTIONS

The purchase will include the following components:

1 pc Flat panel processor including Automatic centring system, Automatic size detection system Input and output bays prepared for transport belts and Pneumatic system

1 pc Control system with 13" user friendly touch screen.

1 pc Ventilation system including Fan, Dust filter, Carbon filter and Ducts.

1 pc Cabin, with following features: Sound proof, Emergency stop push button and Illumination.

1 pc Remote process control

2 pc Replacement cutting discs

1 pc Conveyor with rollers

1 pc Conveyor belt

MRT Premium™ Connect

Options:
Manual disassembly tables.

EEC Conformity:

The equipment is manufactured in accordance with:
EEC Directive on Machinery (2006/42/EG)
EEC Directive on Low Voltage (2014/35/EG)
EEC Directive on Electromagnetic Compatibility, EMC (2014/30/EG)

MRT SYSTEM