



A.B.N. 63 103 035 687

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MECAL'S FIVE BASIC DISINTEGRATORS MODELS.

MODEL 1500.

Suitable for large installations (larger special model is also available).

MODEL 750.

"Stand alone" as shown on leaflet.

Either suitable for connection to in-house suction and disposal system or bag-off unit as shown on the leaflet.

Used by Banks for general destruction of notes and general sensitive waste.

MODEL 750 SLIMLINE

"Add-on Modules for Currency Processing Systems (CPS's)".

For direct connection to the Banks waste disposal system and/or hand feeding, specials also for Client's particular requirements.

When used with CPS's - destruction capacity 2000 notes per minute (N.P.M.).

MODEL 400.

As above with destruction rate over 1250 N.P.M.

MODEL 55.

As above with destruction rate of over 800 N.P.M.

All available with their own collection and disposal system or suitable for connection to an in-house collection and disposal system - single-phase power.

Mecal's Engineers can advise.



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MODEL 1500.

This model was originally designed for the increased requirement of a heavy duty computer printout disintegrator. It is twice the Model 750 in most aspects. The Model 1500 can accept thickness up to 200 loose sheets of paper and all other materials such as microfilm, X-Ray film, motion picture film, credit cards, etc.

The feed throat on a Model 1500 is 500mm wide by 300mm high. The large size is not so much for thickness but for accessibility to feed crumpled or loose papers. Batch feeding microfilm is another use.

The **SECURITY SCREEN** sizes available are 3.5, 6, 9mm and larger sizes. There is no real standard, as screen size should be selected to match each application and real needs. For example, Government Agencies or customers with highly sensitive documents should utilise the 3.5mm screen, whereas most banks should use 9mm size for paper and 3.5mm for microfilm.

The approximate capacity of a Model 1500 varies as to the feed material and the security screen size used as listed below:

Model 1500 with 3.5mm screen	-	180 kilograms per hour.(2400 notes/minute)
Model 1500 with 6mm screen	-	225 kilograms per hour.(3000 notes/minute)
Model 1500 with 9mm screen	-	275 kilograms per hour.

A. **Electrical Details: Model 1500.**

The Model 1500 is powered by various motor sizes to suit requirement: 11/15/18.5Kw, voltage to suit local power supply, 3 Phase, 50 cycle motor.

B. **Waste Collection & Disposal Systems for Model 1500 Machines.**

As this machine has a large output capacity, up to 250 Kg per hour plus. It no longer can be considered an office machine where waste is handled by hand.

Mecal suggests that all applications be referred to their Experienced Professional Engineers for their recommendation as to the best collection and waste handling system for each individual application.

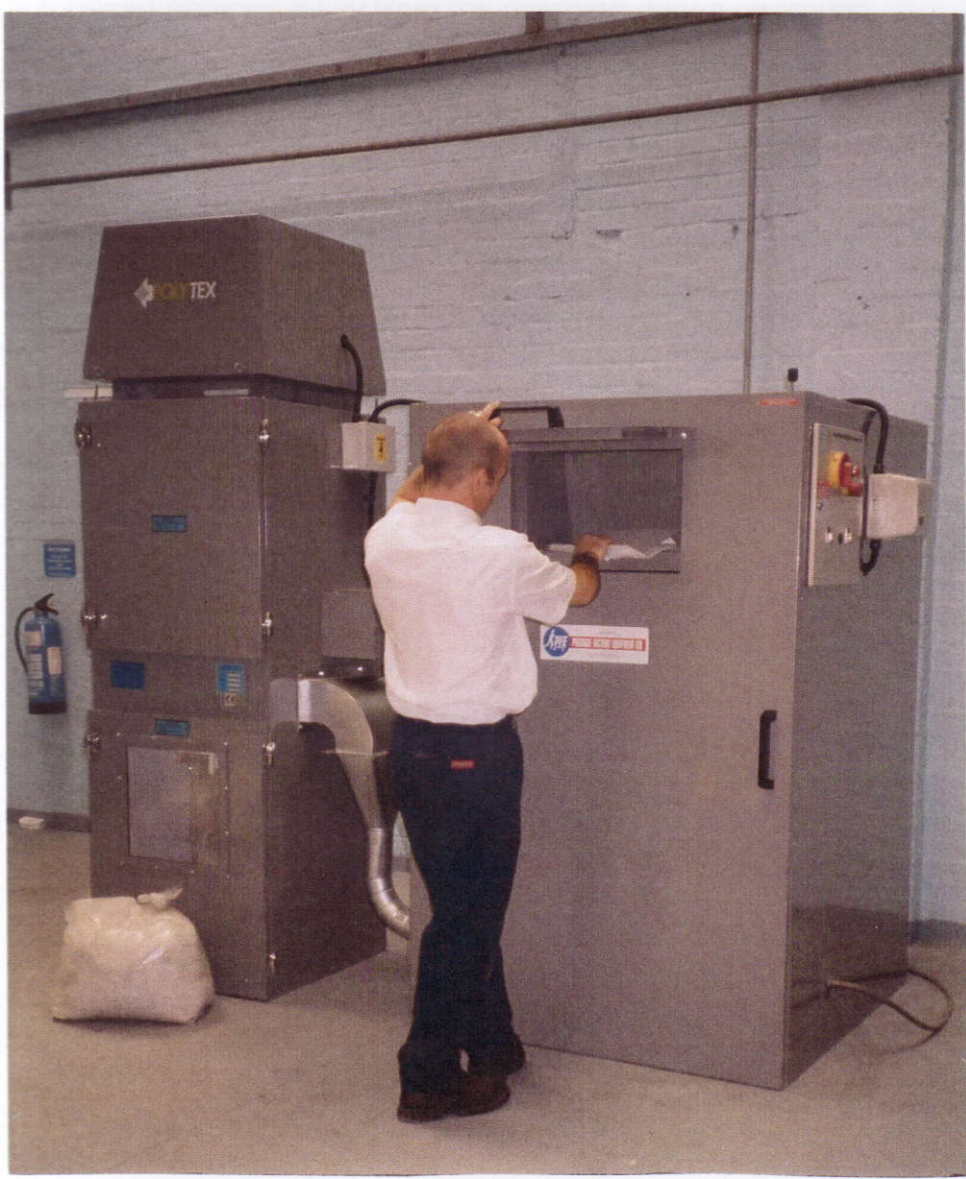
Sound Level: Less than 85 dBA at 1 metre distance.

Size Disintegrator only
with sound enclosure: 1160 x 960 x 1750 mm (l x w x h).

Floor space required: Approximately 1320 x 1140mm (l x w).

Weight: Approx. 900 Kg.

(FVC-03-001/0706)



NEG. 7



NEG. 8





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SECURITY GRANULATORS - MODEL 750

TECHNICAL SPECIFICATIONS

This is the most popular model because of its capability to destroy large quantities of paper, rolls of microfilm, computer printouts and bank notes (currency). The large feed aperture (300mm wide by 250mm high) also provides for the easy feed of crumpled paper.

There is a range of the SECURITY SCREEN sizes up to 20mm and should be selected to match each application and real needs. For example, 6mm screens are recommended for high security applications, whereas most banks use a 9mm or 12mm screen. Screens can be changed with minimum down time.

Note: For bank notes (currency) the bands must be broken and the notes 'fanned' as they are fed into the machine.

The throughput of a Model 750 varies according to the type of feed material, the way it is presented and the size of the security screen in place. Approximate maximum throughputs are:

6mm screen	-	50 kilograms per hour.
9mm screen	-	60 kilograms per hour.

Mecal can provide more accurate rates for your particular application.

The Model 750 Granulator can be supplied prepared for:

1. Connection to an existing or proposed Collection & Disposal System. Suction air requirement: 350 M³/Hr at 10 kPa at machine. Mecal can assist in the design of a disposal system.
or
 2. Supplied with an 'inbuilt' vacuum system which collects the waste directly into plastic garbage bags for Dust Free disposal.
-

Sound Level:	Operating average 75-80.
Size Disintegrator Only:	1070 x 750 x 1570mm (l x w x h).
Floor Space Required:	Approximately 2000 x 1800mm (l x w).
Weight:	600 Kg.
Power Disintegrator:	7.5 kW, 415 V, 3 pH, 50 Hz.
Vacuum System:	2.0 kW, 240 V, 1 pH, 50 Hz. (Type II only). or to suit local requirements.

Mecal can provide more details for your particular application.

DISINTEGRATOR.

(SOLD TO P.F.E. J/N: 93.3049)





***SHOWS EASY
ACCESS WITHOUT
NEED TO MOVE
HEAVY MACHINES.***

A series of
Mecal Model 55 machines ready
for despatch to USA for Currency
System International (CSI)
to add to their Currency
Verification Machines

CURRENCY SYSTEM INTERNATIONAL

MODEL 55 DISINTEGRATORS

JOB NO.: 973100 - JUNE 1997

Neg 19a.



Neg 20a.



(FVF-14-018/9706)



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MODEL 55 DISINTEGRATOR
SPECIFICATION & MACHINE DESCRIPTION

Disintegrator.

Part No	: FVB50003	Air flow	: 300 Cu.M./hr approx.
Size	: 450 W x 1300 H x 765 D	Vacuum	: 0.7 kPa required.
Weight	: 220Kg Nom	Noise Level	: Under 75 dBa Average @ 1m
Inlet	: Feed opening 150 mm x 195 mm.	Screen Size	: 3mm to 20 mm
Outlet	: (3") 76.2mm o/d Tube	Main Motor	: 0.75 Kw, 240V, 50Hz, 1 phase
Destruction Chamber	: 155mm x 222mm	Fan Motor	: 0.55 Kw, 240V, 50Hz, 1 phase

Optional Collection Unit - if Supplied(as shown on leaflet FVF-14-002a)

Part No.	: FVB54030
Size	: 500 W x 1800 H x 600 D
Weight	: 50Kg
Capacity	: 200L approximately
Inlet	: (3") 76.2mm o/d Tube
Filter Area	: 1 sqm total
Bag Attachment:	: 500mm dia
Bag Size	: 800mm wide x 1100mm long, 80 um thick, transparent

1. OVERVIEW

The Mecal 55 Disintegrator is of robust Construction and manufactured in accordance with International and Australian quality standards 9002/ISO9002/1994.

Waste material is removed via the pneumatic waste system. With the Mecal collection unit, waste is separated and collected in bags and clean filtered air is discharged to the environment.

2. PERFORMANCE

12mm screen.

Nominal throughput 48 Kg per hour.
Approximately 48000 notes/hour.

8mm screen.

Nominal throughput 30 Kg per hour
Approximately 30,000 notes/hour.

Mean maximum dimension of output: 8mm screen - less than 5mm.
12mm screen - less than 9mm.

3. SOUND PROOF HOUSING

Is manufactured in three (3) pieces, 2 are removable, providing access for all normal maintenance without the need to move the heavy machine.

4. FAN

The direct drive fan is attached to the collection hopper and is ducted to the waste collection unit. The fan supplies the air to suck material into the Disintegrator and dispose of the waste.

5. COLLECTION UNIT

This consists of a support frame, separator chamber, filter bags and plastic bags. Waste is separated and falls into bags. Air is filtered and discharged to the environment, dust free. This unit sits next to the Disintegrator.



