

U N I P R E S S

The easy clean,
fast tool and
product changeover
characteristics of
the Unipress make it
an ideal choice for
medium batch tablet
production of a
variety of
formulations.

U
N
I
P
R
E
S
S



In today's competitive manufacturing environment, interruptions to busy production schedules for tool and product changeover are expensive. The Manesty Unipress has been designed for ease and speed of product and tool changeover and offers maximum machine utilisation through minimum downtime.

The Unipress is a high speed, single sided tablet press with one station of pre-compression. Fast tool removal and ease of cleaning are proven Unipress characteristics which have helped to make this one of the most successful presses of its class ever made.

Strain gauged as standard to accept any of the Manesty range of tablet weight monitoring and control equipment. Its easy to operate controls require only the minimum of operator training for safe and successful high speed tabletting.

Manesty
TABLETTING AND
COATING SYSTEMS



Handing ApS™
Nordkranvej 5-9, Vassingerød
DK - 3540 Lyngø
Tel.: +45 48160166
www.handing.dk

Manesty Unipress

Dette dokument er vejledende.
Der tages forbehold for fejl.
This document is only guiding.
We make reservation for possible errors.
Copyright © By Handing ApS. All Rights Reserved.

Alle mål i mm.
All measures in mm.

Lager nr. /LH

DT084

MAXIMISE MACHINE USE WITH THE UNIPRESS

QUICK & EASY TOOL REMOVAL FOR FAST PUNCH & DIE CHANGEOVER

Punch and die removal and replacement on the Unipress couldn't be easier:

- For upper punch removal, the upper punch guard, which keeps this area free from dust to reduce cleaning time, is easily removed via quick release catches. The upper punches can then be removed for cleaning or replacement.
- Removal of the weight adjusting section enables the lower punches and dies to be removed. A conveniently placed handwheel allows manual rotation of the turret to further aid punch and die removal.



SEPARATE TABLET ZONE

The tableting zone is separated from the upper and lower cabinet which keeps ingress of dust to a minimum and so helps reduce cleaning times. In addition to dust extraction at the pre- and main compression points, the Unipress upper punches are protected by a special guard system.

Reduced dust levels not only allow the machine to run for longer periods without the need for cleaning but also reduces the possibility of punch head damage due to punch tightness.



EASY TO CLEAN

The totally enclosed tableting zone is free from dust traps and is manufactured to the highest standard of GMP.

Wipe clean surfaces, all round access and quick release fittings allow thorough cleaning with the shortest possible downtime.



Handing ApS™
Nordkranvej 5-9, Vassingerød
DK - 3540 Lyngø
Tel.: +45 48160166
www.handing.dk

Manesty Unipress

Dette dokument er vejledende.
Der tages forbehold for fejl.
This document is only guiding.
We make reservation for possible errors.

Copyright © By Handing ApS. All Rights Reserved.

Alle mål i mm.
All measures in mm.

Lager nr. /LH

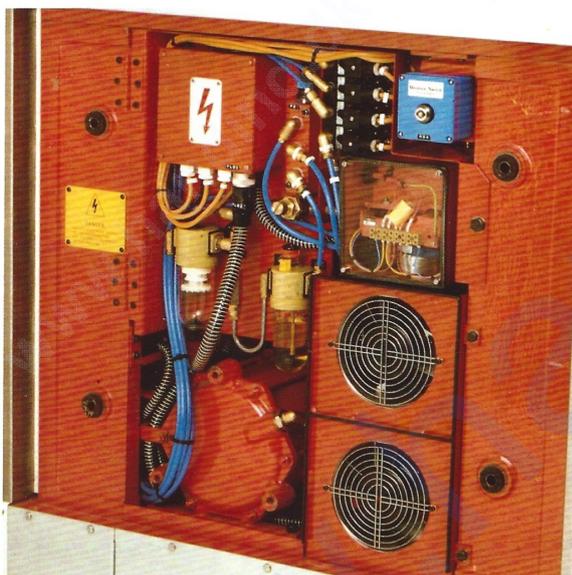
DT084

U N I P R E S S



SIMPLIFIED MAINTENANCE

Hinged electric and pneumatic panels form an integral part of the lower cabinet and allow greater accessibility while successfully containing the installation to one unit.



GMP AT ITS BEST

As with all Manesty products the Unipress conforms to the highest standards of Good Manufacturing Practice (GMP) ensuring operator safety to demanding international standards.

Unipress safety features include fully interlocked guards which automatically switch off the machine in the event of unauthorised access. An additional safety feature is the upper guard locking system which locks the upper guards in the closed position while the turret is revolving ensuring that they cannot be opened until the turret has stopped.

EASE OF OPERATION

Operation of the Unipress is simple. User friendly controls displaying all the necessary information for successful high speed tablet production are fitted to the eye level control panel.

As with all Manesty tablet presses, only minimal operator training is necessary for successful operation.

INCREASED PRODUCT CONTROL

For all levels of monitoring and control the Unipress is strain gauged as standard and can be factory fitted with a choice of Manesty tablet weight control systems or retro fitted at a later date.

With Manesty's wide range of tablet weight monitoring and control equipment to choose from, improved tablet quality, with a subsequent reduction in costly waste, can be simply and cost effectively achieved.

U
N
I
P
R
E
S
S

Manesty

TABLETTING AND COATING SYSTEMS



Handing ApS™
 Nordkranvej 5-9, Vassingerød
 DK - 3540 Lyngø
 Tel.: +45 48160166
www.handing.dk

Manesty Unipress

Dette dokument er vejledende.
 Der tages forbehold for fejl.
 This document is only guiding.
 We make reservation for possible errors.
 Copyright © By Handing ApS. All Rights Reserved.

Alle mål i mm.
 All measures in mm.

Lager nr. /LH

DT084

U N I P R E S S

PRE-COMPRESSION INCREASES THE RANGE OF MATERIALS THAT CAN BE SUCCESSFULLY TABLETTED.

SPECIFICATION

The Unipress is fitted with one station of pre-compression and a variable speed feeder as standard enabling a wider range of formulations to be tabletted at higher speeds without loss of tablet quality.

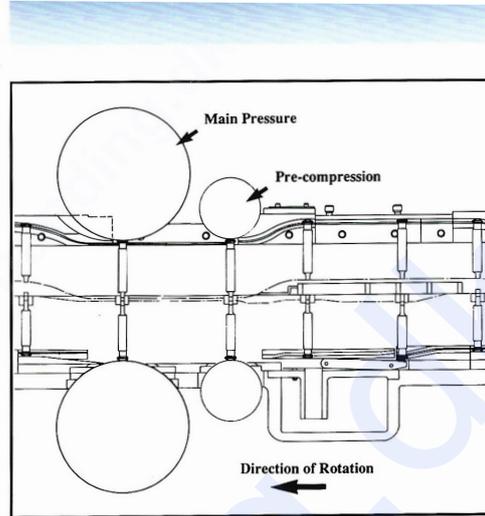
EFFERVESCENT TABLET PRODUCTION

The Unipress is suitable for effervescent tablet production - for further details of the optional systems available contact Manesty Sales Department.

OPTIONAL & ANCILLARY EQUIPMENT AVAILABLE FOR THE UNIPRESS

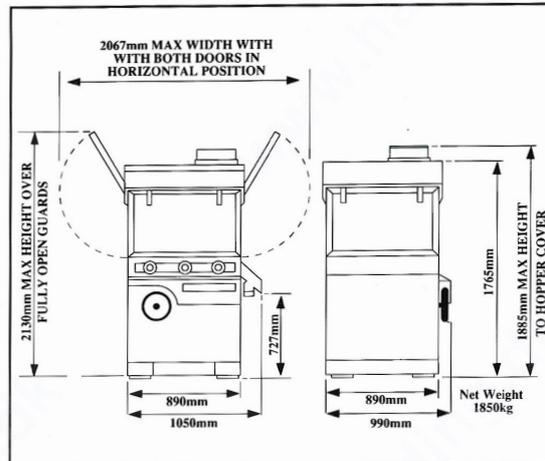
- Deduster mounting bracket and tablet deduster for the automatic dedusting and deburring of tablets.
- Direct feeder inlet - can prove beneficial when tableting formulations with poor flow qualities.
- Non-mechanical (open) feeder - can prove beneficial with friable formulations.
- Electroless plated die table for use with corrosive/abrasive formulations or formulations which may stick to the standard turret.
- Slotted turret head - essential for shaped tooling. (This feature is standard on the 20 station machine).
- Autofil vacuum conveying systems - provides automatic dust free conveying of powders and granules to the tablet press.
- Effervescent tablet production - spray lubrication systems are available to reduce ejection loads and punch tip sticking.
- Poor flowing formulations - specialised systems are available. Contact Manesty Sales Department for details.
- Strain gauged as standard to accept all levels of Manesty tablet weight control equipment, including:

- *Compaction Force Monitor*
- *Sentinel - Options:*
 - 1 *Group Reject*
 - 2 *Single Station Reject*
- *Micro PW 2000*
- *Tight Punch Detection*
- *Compaction Force Controller*



UNIPRESS - TECHNICAL SPECIFICATION				
No of stations	*Min/max tabs per hour	Max tablet diameter	Max depth of fill	Operating force kN Tons
20	58,200 145,000	25.4mm (1")	21mm	100 10.0
27	78,000 196,000	16mm (5/8")	18mm	65 6.5
30	86,500 217,000	13mm (1/2")	18mm	65 6.5
34	98,400 246,000	11.1mm (7/16")	18mm	65 6.5

*Subject to the characteristics of the product.
The Unipress requires a compressed air supply of not less than 5.5 bar or 80lbs psi.



Handing ApS™
Nordkranvej 5-9, Vassingerød
DK - 3540 Lyngø
Tel.: +45 48160166
www.handing.dk

Manesty Unipress

Dette dokument er vejledende.
Der tages forbehold for fejl.
This document is only guiding.
We make reservation for possible errors.
Copyright © By Handing ApS. All Rights Reserved.

Alle mål i mm.
All measures in mm.

Lager nr. /LH

DT084