



Tablet press
PT1090 WIP
Washable and flexible

CLEVER IDEAS
FOR GREAT PRODUCTS

FETTE

Profil: → PT 1090 WIP (Washing-In-Place)

Examples of intervention options:

- Washable pressing compartment
- No internal inserts or covers
- Made of stainless steel
- Few cables in the pressing compartment
- Motor driven locking and un-locking of the die table package on the rotary shaft
- Handling arm for die table change integrated into the machine column

Your benefit:

- Automatic pre-washing
- Smooth, rustproof surfaces
- Easier access to the pressing compartment
- Reduced number of parts to be cleaned
- Little manual work
- High level of operating safety
- Quick product changeover
- Shorter down-times



The automated washing of tablet presses represents an outstanding new cleaning concept! – However this is just the result of a logical development to further enhance technology and to increase once more the level of automation during product changeover. The PT 1090 WIP allows us to take a further, crucial step towards greater safety in cleaning, whilst simultaneously increasing efficiency.

In conjunction with the tried and tested concept of interchangeable die tables, the PT 1090 WIP provides greater versatility and efficiency in the field of high-performance rotary tablet machines.

With its clever design and superior technology, the PT 1090 WIP will be setting new standards in the market.



Washability →



Powerful Cleaning System

- Stainless steel piping
- 7 spray nozzles with reversible direction are located in the compression area. Additional nozzles are placed in the hopper and in the dust extraction



Reliable Design

- Compression area is water and dust tight
- No internal shrouding that obstructs the cleaning process
- Most components in the compression area are from non-corrosive materials
- Compression area base is made from stainless steel and has an automatic drain valve
- Outside shrouding has a smooth surface finish and making it easy to clean

PT 1090 WIP



Flexible Washing Cycles

- Washing cycles specific for each product
- Optimized cleaning for fast product changeover
- Completely programmable washing cycles include
 - Washing (Foaming)
 - Soaking
 - Normal Rinsing
 - Rinsing
 - De-ionized water
 - Air blowing
- 2 washing cycles (cycle A and cycle B) can be programmed per product

Specifically designed Cleaning units

- Cleaning unit LHS 2020 LPD with adjustable output on PT1090WIP
- Housing and control panel made from stainless steel
- One pump each for cold (40C) and warm de-ionized (80C) water
- Mixing of detergents and cleaners, purified rinsing and preservatives
- Possibility of cleaning with foam
- Controlled either manually or via the key board of the PT1090WIP



Flexibility →



Fast die table changeover

- Extremely fast die table changeover due to:
 - Automatic chuck to loosen and tighten the die table
 - Less parts that have to be removed (no internal shrouding) as compared to standard unit
 - No sheet metal inserts
- Window flaps open wide
- Easy to open middle windows
- Improved die table removal arm that collapses into one column
- Automatic disconnect of lubrication lines

PT 1090 WIP



Die table

- Fully washable
- Die table and punch guides made from stainless steel
- Cams mostly made from plastic
 - Less noise emission
 - Less weight

Proven die table removal arm

- Lift is integrated in one column
 - Retractable
 - Fully covered when retracted
- Easy handling
 - All components from stainless steel



Intelligent multi function connecting arm

- Multi function connecting arm for:
 - Cam track anchor including upper punch tightness measurement
- Base for tablet take-off bar and air reject (fast gate)
- Base for upper tablet chute with tablet chute backup control
- Integrated oil lines for punch lubrication



Operation / Control



Ergonomical control unit

- 12.4" Touch screen monitor
- Powerful industrial Pentium PC
- CD ROM drive
- Windows NT Operating system
- UPS power supply
- HP color inkjet printer
- Modem for phone service



Specially designed control panel

- Stainless steel
 - Smooth surfaces
 - GMP compliant
- Integrated plugs
- See-through doors for outside diagnosis
- Cooling system for air tight panel
- Safety SPS
- CAN- Bus
- VME Bus controller with Motorola CPU
- Ethernet / TCP/IP interface to operator panel
- All components are easily accessible in a simple layout

Mechanics



Newly developed feeder base plate

- New feeder base plate with closed seal for minimized product loss
- Easily interchangeable seal segments for different tablet sizes and shapes
- No separate scraper necessary
- No pre-fill necessary
- Plastic cover in different designs
 - No tooling required for assembly



Highly precise dosing cams

- Dosing cams automatically lock with position control.



Few parts to be disassembled

- Only a few parts need to be disassembled for a fast product changeover

