

PharmaCare®

Protect your Investment



PROTECT YOUR INVESTMENT





Our Vision

“ To be the customer's preferred choice as the market leading provider of tablet tooling and complimentary equipment, underpinned by our understanding of Tableting Science and characterised by:

- Excellence of customer service
- Technical support
- Speed of response
- Quality products
- Value for money ”.

Chris Prideaux, Managing Director

Working In Partnership

Through our belief that the best solutions come from working in partnership with our customers, I Holland is wholly committed to the provision of a comprehensive pre and after-sales support service.

This ensures that each and every tablet compression tooling requirement receives focussed and individual attention. So, no matter what tablet you produce and what tablet tooling you employ, our expertise and passion will assuredly help you to improve both your product and your productivity. We also apply our Tableting Science® to the manufacture of punches and dies for the production of Detergent, Cosmetic, Veterinary and Confectionery products.

Customer Support

Our Customer Support Group (CSG) is responsible for providing technical support for I Holland products, ensuring that customers receive specific, tailored tooling and tool maintenance solutions, to match their manufacturing needs.

By 'getting it right first time', delays and tablet manufacturing issues can be avoided at a later stage. By drawing on the advice and recommendations of CSG, customers can save valuable time and money in the manufacturing process.

Our technical experts in CSG are on hand as a centralised knowledge base, to pro-actively ensure that the entire process runs smoothly. CSG works closely with other I Holland departments, from the time a query is registered or a quotation requested, right through to the aftercare support and training.



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07

Simple Steps To Protect Your Investment

It's simply good business sense - maintain and store your punches and dies correctly and you will produce a better product for longer, reduce costs and enhance profitability.

PharmaCare® 7-Step Process is a planned, professional maintenance and storage programme which will contribute more than its costs to your company's turnover.

“85% of punch and die problems and damage can be conclusively traced back to poor handling and after-care procedures.”





- 01** Clean
Tooling should be cleaned and dried to remove any oil or product residue.
- 02** Assess
Visually inspect tooling for signs of obvious damage and establish if maintenance is required.
- 03** Repair
Repair allows the user to rectify any damage to the tooling before polishing.
- 04** Measure
Measuring is essential after repair to ensure that critical tooling dimensions have stayed within tolerance.

- 05** Polish
Polishing results in a smooth mirror finish.
- 06** Lubricate
Lubrication is important to protect, preserve and aid the smooth operation of tooling.
- 07** Store
Storage cabinets should maximise security, safety and minimise damage of tooling during transportation.



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CLEAN



01

Ultrasonic Cleaners

I Holland supplies a range of easy to use automatic cleaning units. The largest cleaning system can accommodate a cyclic capacity of up to 192 punches or 135 dies. It is also recommended to use a detergent along with a corrosion inhibitor which can be supplied by I Holland.

Stainless Steel Fixture

Stainless steel fixture for cleaning and carrying.

Holland Automated Cleaning System

The ultimate automatic cleaning solution, ensures the most efficient cleaning, rinsing and drying with minimal manual handling.

02

iNSPECT Measurement System

iNSPECT is a high magnification camera system that can be used for the close up physical inspection of punch tips and tablets. Images are displayed and stored on a PC.

Detailed Imagery

Close up image of punch tip and tablet taken using iNSPECT highlighting any defects.

Scope

x 6 microscope gives a quick visual assessment of finished tablets and tooling.

ASSESS





03

Double Ended Polishing Motor

Polishing motor for deburring and polishing all shaped and embossed punch tips.



Motorised Chuck

Motorised polishing unit for cleaning and polishing punch heads, bodies and plain concave punch tips. Equipped with magnetic brake, self-centering chuck, safety micro-switch, adjustable guards and lockable twist-to-release emergency stop button.



UC500 (Electronic Polishing Unit)

Polishing unit, for the maintenance of punch tips, incorporates variable speed control and has dual output. Small and compact, the UC500 is totally portable.

04

HNC LASER

Measures the overall and working length of any punch including multi-tip punches without contacting the punch tip face.

APPROVE® for Windows

Advanced punch and die measurement software allowing simultaneous measurement of key dimensions to enable rapid validation of tooling. Dimensions that are measured by Approve® are: Tip diameter, Barrel diameter, Working length, Overall length and Concentricity. Can be combined with the HNC-Laser for non-contact length measurement.

APPROVE® for Windows User Interface

Easy to use analysis using Windows based software.





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POLISH



05

Series MF

A range of Micro-Fine automatic polishing machines for the everyday polishing of punches and dies. The MF Polisher evenly polishes up to 85 tablet punches in one cycle and has been demonstrated to help reduce sticking and picking problems.

Punch Holders

High capacity carriers manufactured from FDA compliant, punch tip friendly Acetal.

Media

A range of natural and synthetic polishing media for use in the MF polishing machines.

06

I Holland PharmaLube

A range of non-toxic oils and greases specially formulated to provide and maintain the highest level of product performance when machinery lubrication is required. PharmaLube products are FDA approved.



LUBRICATE





07

Versatool™

An extensive range of punch and die storage cabinets, available in stainless steel or powder coated finishes. Supplied as standard items or produced to our customer's own specifications. Also available are a range of drawer inserts and trays. Comprehensive tool room design and installation service also available.

Die Segment

Versatool™ storage systems incorporate die segments allowing punches and segments from the same set to be stored together.

Holland SafeStore Boxes

Manufactured from polyurethane, these punch and die storage boxes are supplied complete with either "B" or "D" type inserts.



"PharmaCare® assists with cGMP compliance, ensuring effective maintenance, validation and storage of all punches and dies."



Maintenance Consumables

- A.
Precipitated chalk - removes polishing compound (e.g. Hyfin paste or diamond) residue from punch tips after polishing.
- B.
Lapping fluid - flushes out polishing paste residue.
- C.
Hyfin paste - used in conjunction with the double ended motor and nylon wheel brushes for polishing embossed or shaped punch tips.
- D.
Brass polishing brushes - used to remove stains and corrosion on punch tips and to blend areas of the tip that have been repaired using the Arkansas stone.
- E.
Radius gauges - used to determine the radius of plain concave tips and to use as a template during the shaping of felt bobs.
- F.
Diamond polishing compound - available in fine or coarse grade, used with nylon wheel brushes for polishing punch tips.
- G.
Nylon polishing brushes - fitted into the dental motor for polishing all embossed, flat bevelled and shaped punch tips.
- H.
Turret brushes - for cleaning punch guides.
- I.
Felt bobs - fitted into the hand piece of the UC500 unit to polish the tips of plain and concave punches. The radius gauges are used on the felt bobs to shape them when polishing plain tips.
- J.
Bramet strips - used with the lapping sticks for removing marks and damage to punch heads and for adjusting the working length of punches. A fine emery should also be used to improve the surface finish after using the coarse emery.
- K.
Corrugated strips - ideally used on a bench top for safe handling of punches whilst polishing.
- L.
Eye glass - used to closely examine punches and the tips.
- M.
Lapping sticks - used for de-burring punch tips. Abrasive strips & emery rolls are used with lapping sticks to give the emery a hard surface.
- N.
Arkansas stone - used to remove slight damage to edges of punch tips and to remove burrs from the outside edges.
- O.
Scotch Brite - used for the removal of any surface rust.
- P.
P80/P180 Emery Roll, for removing marks and damage to punch heads and for adjusting the working length of punches.
- Q.
Length Pot - Used to hold and stabilise the punch for measurement/inspection.
- R.
Cotton wool - used to wipe away any residue, fluids or polishing paste.



“Clean and careful handling also helps
to protect punches.”



PharmaCare® 7 Step Audit and Standard Operating Procedure

Tablet compression tools are often viewed as consumable items but I Holland believe that just because they are replaceable they shouldn't be viewed as disposable. We believe that well maintained and carefully stored tools will improve your profitability and the return on your investment. The successful adoption of I Holland's PharmaCare® 7 Step Process will help to limit tablet press down time and consequently improve productivity.

I Holland's PharmaCare® 7 Step Process is a program of professional planned maintenance and audit which has been designed to outline an appropriate method for the maintenance of tablet compression tooling, ensuring it is clean, serviceable and within specification, whenever it is required. The 7 Step Process audit will review your current practices and highlight recommended improvements.

What will it do for your business?

DAY 1 & 2

- Audit and review of your tool maintenance procedures, methods and equipment
- Introduction to 7 Step Process and SOP

DAY 3

- Presentation of recommendations and full audit report



KEY FEATURES:

- Planned, professional programme
- Fully customised to your specifications
- A full independent audit
- Audit and training carried out at your site, to your convenience

CORE BENEFITS:

- Reduce downtime through unplanned tooling maintenance and replacement
- Cover all the topics that are important to your business
- Uncover the root causes to persistent problems such as sticking and corrosion
- Minimal disruption to day to day working



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As a BS EN ISO 9001:2008 registered company, we have total commitment to ensuring all our punch and die products and services are manufactured and supplied to the highest possible standards. I Holland Ltd reserve the right to alter the equipment specifications as may be required.

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