



Dico

Capping Machinery



capping capping

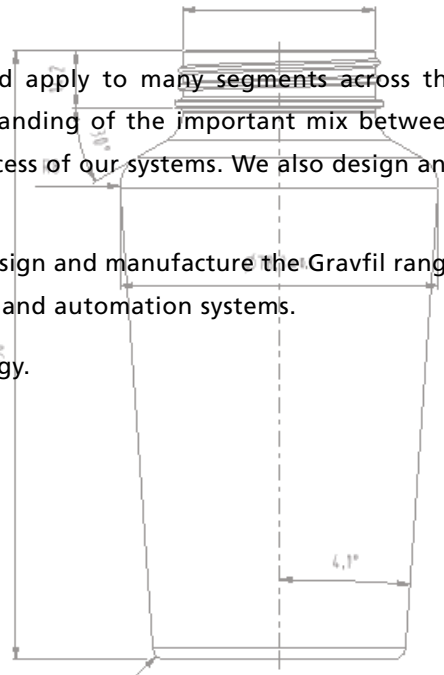
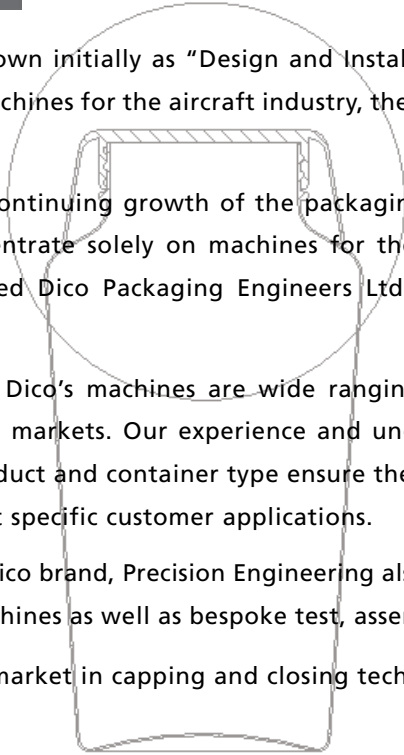
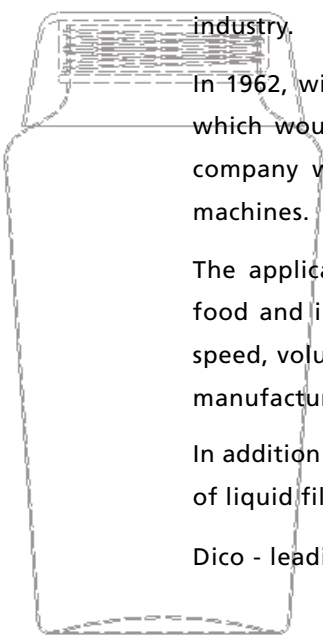
Dico which was known initially as "Design and Installations Company Ltd." and was founded in 1949 to produce machines for the aircraft industry, the atomic energy authority and the packaging industry.

In 1962, with the continuing growth of the packaging machinery industry, a separate company, which would concentrate solely on machines for the packaging industry was set up. The new company was named Dico Packaging Engineers Ltd and it specialised in capping and closing machines.

The application of Dico's machines are wide ranging and apply to many segments across the food and industrial markets. Our experience and understanding of the important mix between speed, volume, product and container type ensure the success of our systems. We also design and manufacture to suit specific customer applications.

In addition to the Dico brand, Precision Engineering also design and manufacture the Gravfil range of liquid filling machines as well as bespoke test, assembly and automation systems.

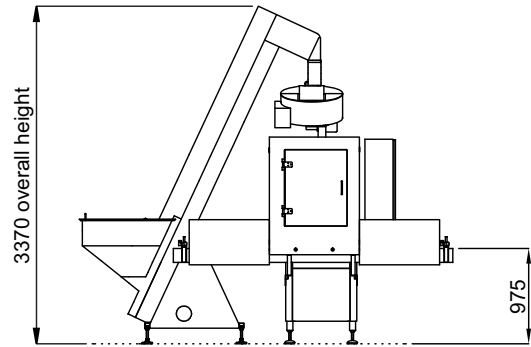
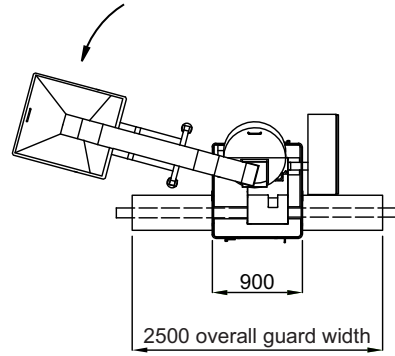
Dico - leading the market in capping and closing technology.



Single Spindle Capper



Single Spindle Indexing Capper



The Dico range of automatic spindle capping machines are suitable for use in a wide range of industries. The flexibility of design enables metal or plastic caps, plugs, pilfer evident, roll-on and other closures to be applied at speeds up to 60 cpm. Containers from 30ml up to 25 litres are fed by conveyor into the indexing turret which automatically and accurately positions the container to receive the cap from capping chuck.

Caps are fed through to the capping chuck from one of a range of sorting systems which can be selected to match the individual requirements of the components to be sorted. As with all Dico capping machines, cap transfer from the chute to the chuck is via positive pick and place mechanism thus ensuring reliability and accuracy.

The machine can be supplied complete with integral conveyor or suitable to mount on existing conveyor. Materials can be varied to make extensive use of plastics and titanium for handling aggressive products or stainless steels for food and pharmaceutical applications.



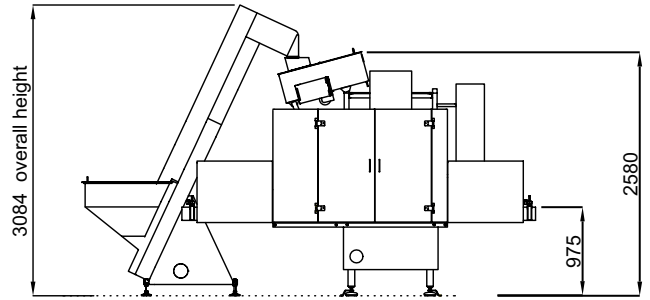
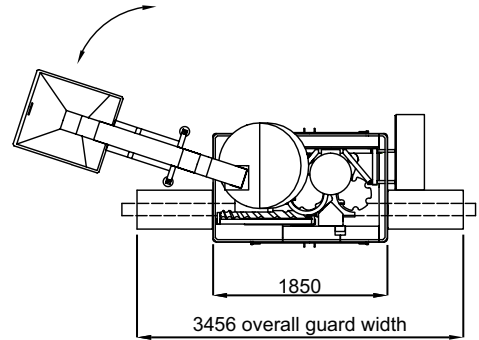
Integrated Cap Feeder and Single Spindle Capper



Rotary Capper



Multi-head continuous motion capper



Dico capping machines are renowned for uncompromising quality, rugged construction and positive but smooth component handling.

Backed up by our policy of continual product development Dico machines are at the forefront of closing technology.

We supply cappers to suit:

- Screw Capping
- Plugging
- Component assembly
- Press-on & Press-in Capping

Dico Rotary Screw capping machines are available in versions using between 3 and 18 heads and cap at speeds up to 400 units per minute. Closures of almost any size up to 125mm in diameter can be handled and a range of 5 different styles of sorting systems are available.

Standard features include:

- Precision control of tightening torques
- Single point infinite adjustment of cap grip pressure
- Single point infinite adjustment of bottle clamp pressure
- Rapid changeover through discreet part replacement requiring no adjustment
- Electronic variable speed drives
- PLC control
- Safety guarding



Six spindle SERVOCAP machine for a range of membraned closures and glass containers

Twin Turret Machine



Close up of a twin turret press on capper, shown lidding 35 mm film tubs

Dico twin turret machines apply all types of press-on caps, jaycaps, flip tops, sprinkler caps, securitainers, aerosols and inserts to containers at speeds up to 300 cpm.

The containers are fed by conveyor into a continuously rotating turret which automatically presents each container into the correct position to receive the closure from a corresponding chuck.

The closures are fed from the sorting system to the chucks by a positive cap transfer turret ensuring reliability and accurate positioning. Head elevation enables this machine to cap a wide range of containers with quick and simple size change operation.

A unique advantage of the machine is its minimal space requirement which is unmatched by other capping machines with comparable outputs.



Special Applications



18 head multi-spindle bleach capper

Dico can provide the answer to your needs whether integrated sorting, feeding and assembling of complex shapes (caps or otherwise), or pick and place up to 450 containers per minute.

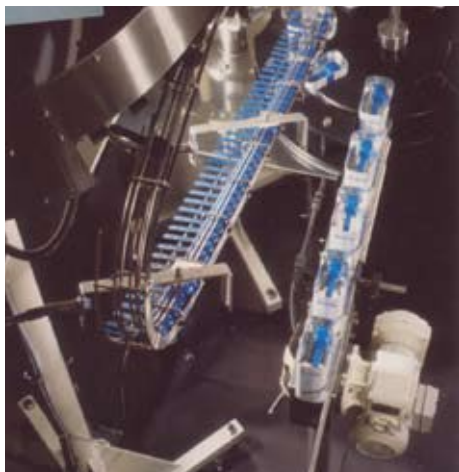
Dico can utilise standard components or design and build equipment specifically to customers requirements for particular applications. We can feed and apply a variety of different shaped components even into modified atmosphere applications such as Nitrogen environments for food products. We can utilise a range of unscrambling systems to supply components to our advanced placement devices; now including the latest in high speed 'pick and place' robots.



Robot Scoop placing system



Modified Dico single spindle placing spoons in containers of malted milk powder



Single spindle with nitrogen flushing unit prior to cap application

Overview

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MACHINE RANGE	PHARMACEUTICAL & HEALTHCARE	COSMETICS & TOILETRIES	FOOD & DAIRY	BEVERAGES	HOUSEHOLD PRODUCTS	INDUSTRIAL & AUTOMOTIVE
CAPPERS	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
SINGLE SPINDLE	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>
ROTARY CAPPER	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>
TWIN TURRET	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>
CAP WADDER	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>
SPECIAL APPLICATIONS	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>
ANCILLARY EQUIPMENT	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
BULK FEEDERS	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>
UNSCRAMBLING & ORIENTATION	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>
LINE INTEGRATION	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>
LIQUID/POWDER FILLERS	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>

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Dico - operating all around the world

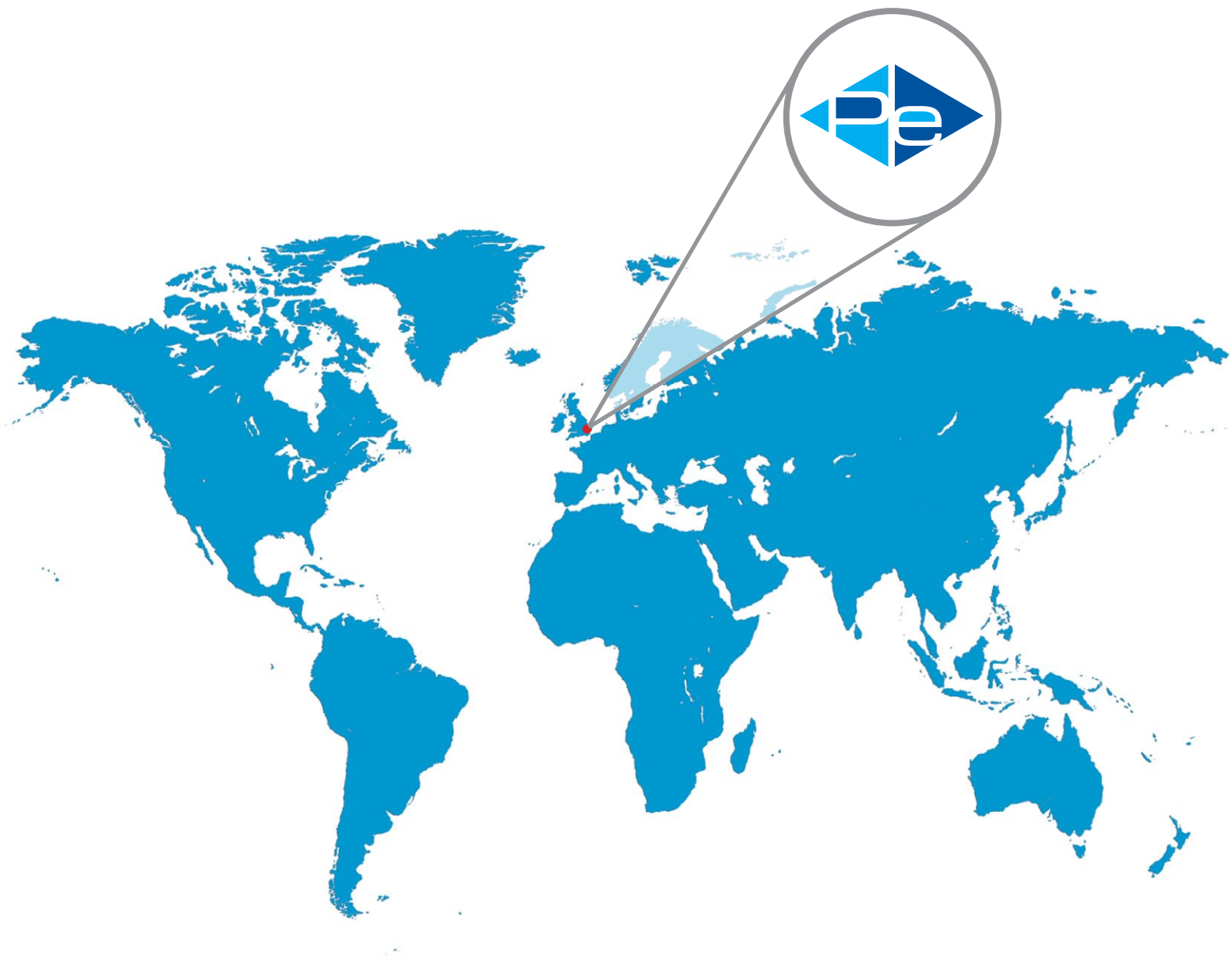
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Bolivia
Bosnia Herzegovina
Botswana
Brazil
Canada
Chile
China
Colombia
Costa Rica
Croatia
Cyprus
Czech Republic
Denmark
Ecuador

Egypt
El Salvador
Estonia
Finland
France
Georgia
Germany
Ghana
Greece
Guatemala
Honduras
Hungary
India
Indonesia
Iran
Iraq
Ireland
Israel
Italy
Jamaica
Japan
Jordan
Kenya
Kiribati
North Korea
South Korea
Kuwait
Laos

Lebanon
Libya
Lithuania
Luxembourg
Macedonia
Madagascar
Malawi
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Mauritius
Mexico
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Romania

Russian Federation
Saudi Arabia
Serbia
Singapore
Slovakia
Slovenia
South Africa
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PrecisionEngineering

Unit D4, Bonham Drive,
Eurolink Commercial Park,
Sittingbourne, Kent
ME10 3RY
United Kingdom
Tel: 00 44 (0)1795 551 500
Fax: 00 44 (0)1795 551 501
email: admin@prec.co.uk
www.precisionengineering.net