



P A D P R I N T I N G M A C H I N E S

P A D P R I N T I N G M A C H I N E S



History



P A D P R I N T I N G M A C H I N E S

Since 1970, COMEC Italia has specialised in the production of standard pad printing machines in 1 to 6 colours, but around 70% of its activity is now directed towards the production of special machines that are designed specially to suit the needs of the clientele that increasingly requires printing on particular surfaces and products and with specific production schedules.

COMEC Italia's capacity to satisfy any request

depends mainly on an excellent overall corporate organisation, the professionalism of its technicians and the high-tech equipment that allows it to produce pad printing machine suitable for all types of printing.

Our company also provides the customer with the consumables necessary for pad printing, such as cliché, pads and inks.

certified

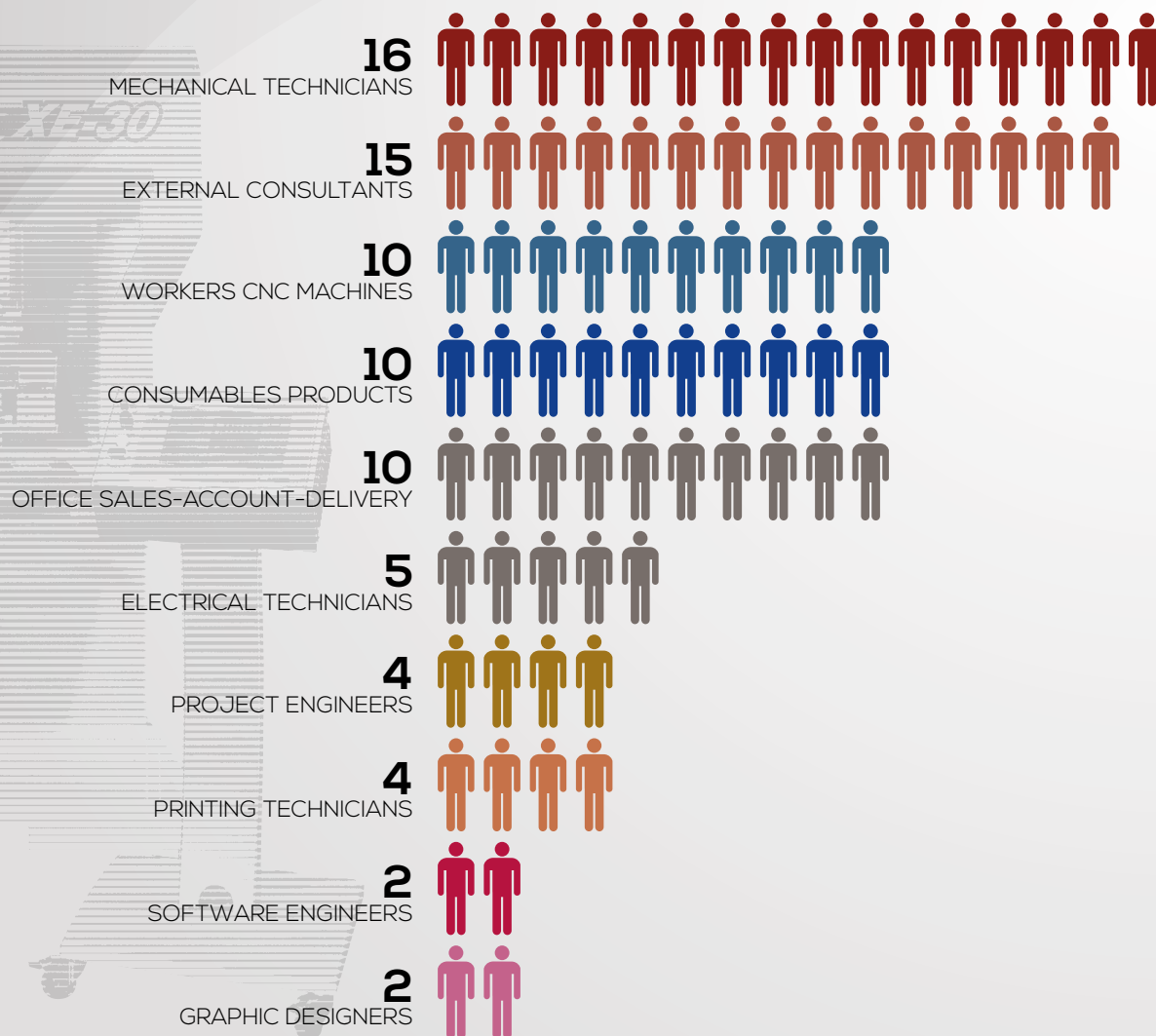


Our staff

78 employees



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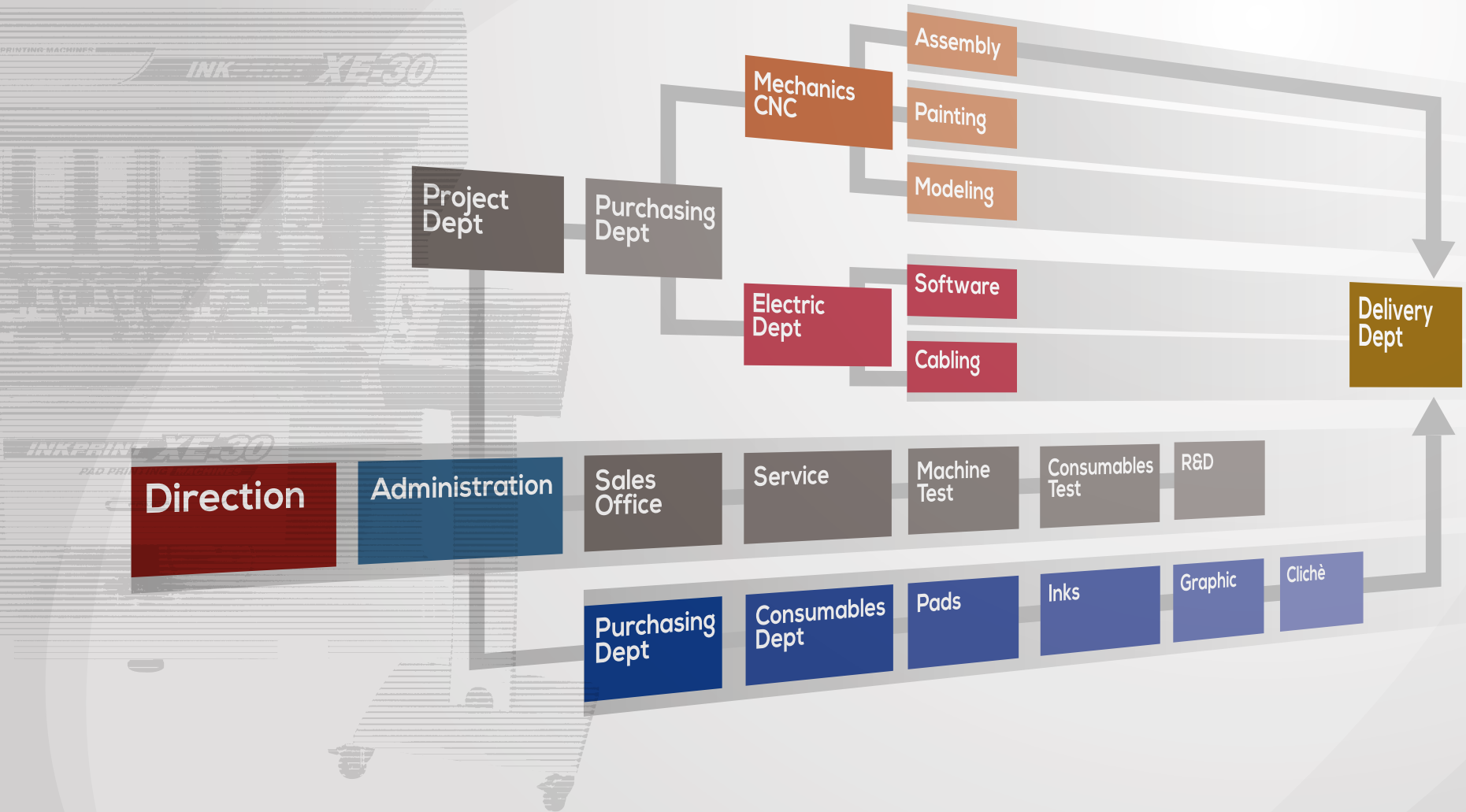


Our staff

internal organisation



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Organisation

national sales

COMEC[®] Italia

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WAREHOUSES

Turin
Milan
Brescia
Imola



AGENTS

Milan
Brescia
Trento
Padua
Bologna
Pistoia
Ancona
Frosinone
Naples



Organisation

international sales



INKPRINT



Australia
Belgium
Brasil
Canada
Colombia
Egypt

France
Germany
India
Korea
Mexico
Nederland

Norway
Philippine
Poland
Russia
Spain
Tunis

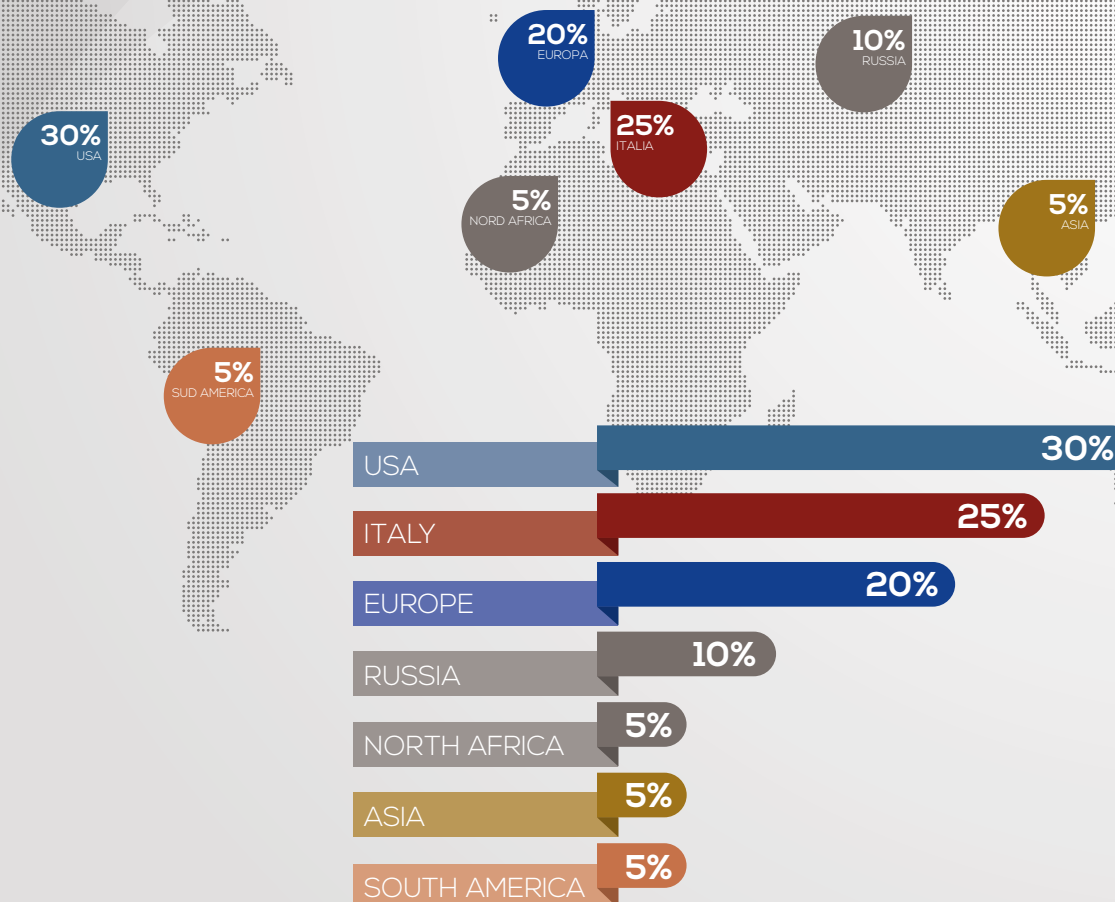
Turkey
UK
Ukraine
USA
Venezuela

Distribution

global

COMEC® Italia

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Global analysis

sales



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ACTIVE CUSTOMERS IN THE WORLD

3.500



MACHINES SOLD IN THE WORLD

15.000



SECTORS OF PRINTING APPLICATIONS

Automotive

Chair

Closures

Coin

Components

Container

Cosmetic

Digital

Electric

Floor Tile

Hangers

Helmets

Households Panel

Medical

Oven

Profiles

Satellite Dish

School Office

Special Holder

Sport Accessories

Tanks

Textile

Tools

Toys

Watch Dials

Technical Assistance

worldwide



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TELEPHONIC ASSISTANCE



REMOTE ASSISTANCE



TECHNICAL ASSISTANCE - NATIONAL



TECHNICAL ASSISTANCE - INTERNATIONAL

Experienced technicians can assist by phone or intervene remotely to satisfy every need or request of customers.

In addition **COMEC Italia** has technicians that can perform testing, maintenance or repairs anywhere in the world.

Department

offices



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Qualified multilingual COMEC Italia staff is at the service of the customer for pre- and post-sales assistance and to follow the customer at every stage of the project.

Department

design

260 projects - layouts — feasibility studies a year



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A group of highly skilled engineers and designers, each with their own specific skills, is dedicated to the design of **COMEC Italia's** pad printing machines using Solid Works 3D CAD software based on the information provided by the customer in relation to:

- > hourly production
- > dimensions of graphics and colours
- > object on which printing is desired

Department

carpentry



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Department equipped with high-tech machinery able to perform the most important carpentry tasks:

- > laser cutting up to 20 mm
- > 4-axis CNC press brakes
- > presses up to 100 tons
- > milling machines and lathes
- > CNC punching machines



Department

machining



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The absolute precision of every component is guaranteed by the use of qualified and experienced personnel and of **high-tech machinery**.

This department provides for the construction of all the pieces that will form the pad printing machine, both those relating to the mechanical part and those of carpentry with CNC machining centres, lathes and milling machines.

Subsequently, the appropriate pieces are transferred to the department for treatment of materials to perform anodisation or hardening treatments and eventually painting. The possibility of having an efficient and well-organised department of internal production at its disposal allowing **COMEC Italia** to intervene at all stages of processing with accuracy and flexibility.



Department

painting



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Paint shop equipped with aspiration booth with washing machine for degreasing and cleaning parts prior to the various stages of treatment and enamelling.



Department

assembly



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Assembly and subsequent functional verification tests performed by experienced personnel are the last steps that permit the completion of products with advanced technological content and high competitiveness that make **COMEC Italia a world leader** in the field of pad printing machines.

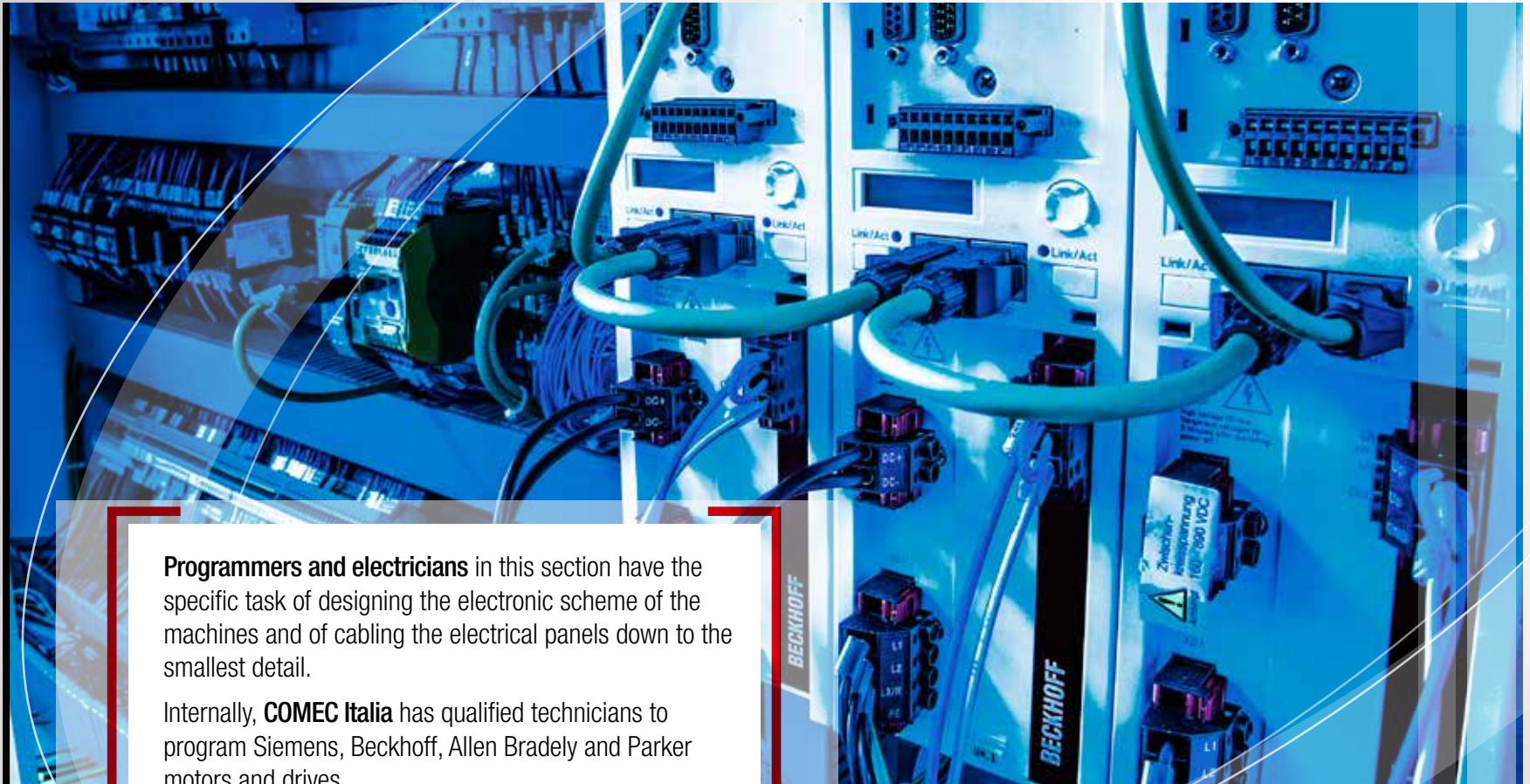


Department

electronics – cabling - software



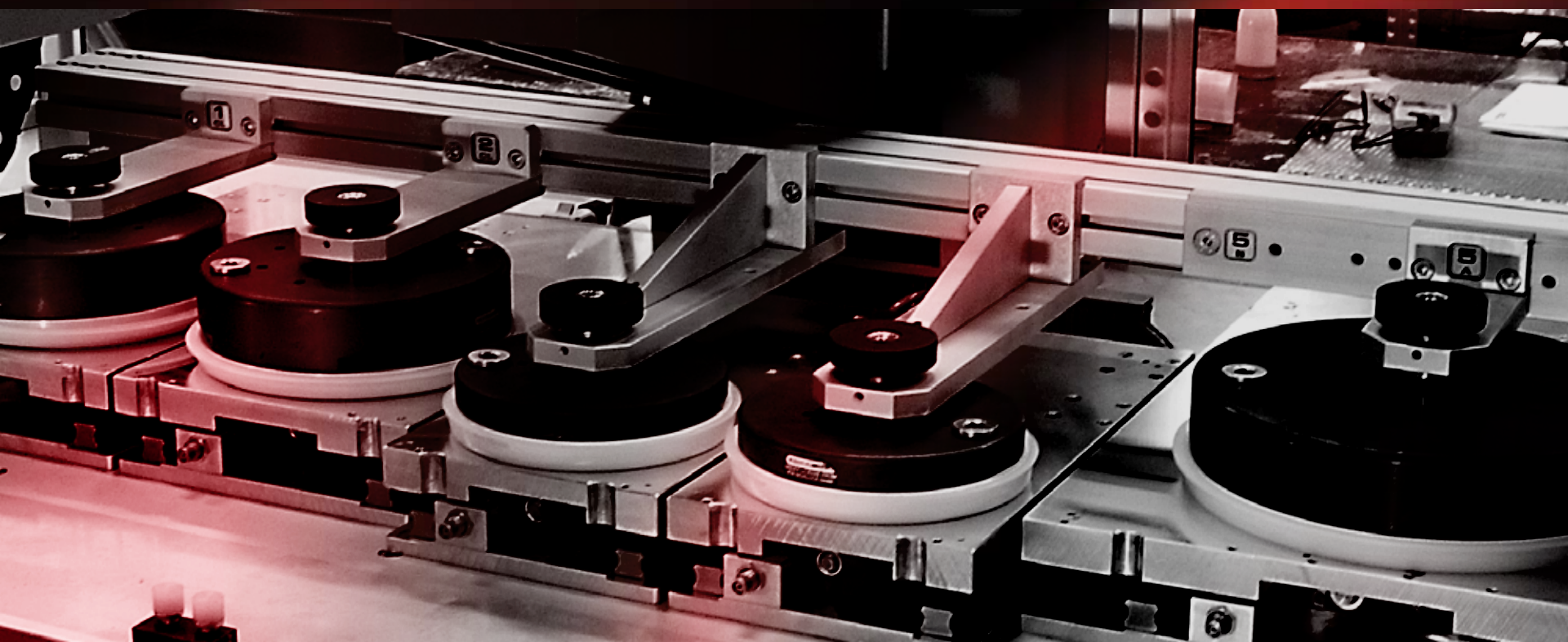
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Programmers and electricians in this section have the specific task of designing the electronic scheme of the machines and of cabling the electrical panels down to the smallest detail.

Internally, **COMEC Italia** has qualified technicians to program Siemens, Beckhoff, Allen Bradely and Parker motors and drives.

P A D P R I N T I N G M A C H I N E S



Machines

standard

350 machines produced a year

COMEC® Italia

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Our range of standard machines extends from the small manually operated KP-05 1C to the sophisticated XE-TECH16-20 machining centre with hermetic micrometric inkwell up to 6 colours with automatic pad transmission and electronic control up to 5 axes with brushless motor; we also have a range of models from 1 to 6 colours. All of our machines can be equipped with the following optional devices:

- > turntable
- > elliptical power suppliers
- > linear and step/step power suppliers
- > surface treatment with flame or corona
- > pick & place – automatic loading and unloading
- > infrared dehydrating, hot air and UV ovens

Machines

special

50 special plants produced a year



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Years of research, technical studies and experience in the field of pad printing have allowed **COMEC Italia** to develop **revolutionary customised machines** capable of meeting the most sophisticated requirements in the area of pad printing.

Fully automated and computerised innovative systems, with very elaborate software capable of handling printing machinery with up to 15 colours with more than 10 motorised axles.

On specific request, **COMEC Italia**'s pad printing machines can be designed and manufactured for use in potentially explosive atmospheres, therefore of ATEX standard, or for use in clean rooms in the medical or electronic sectors.



Automation

pick & place

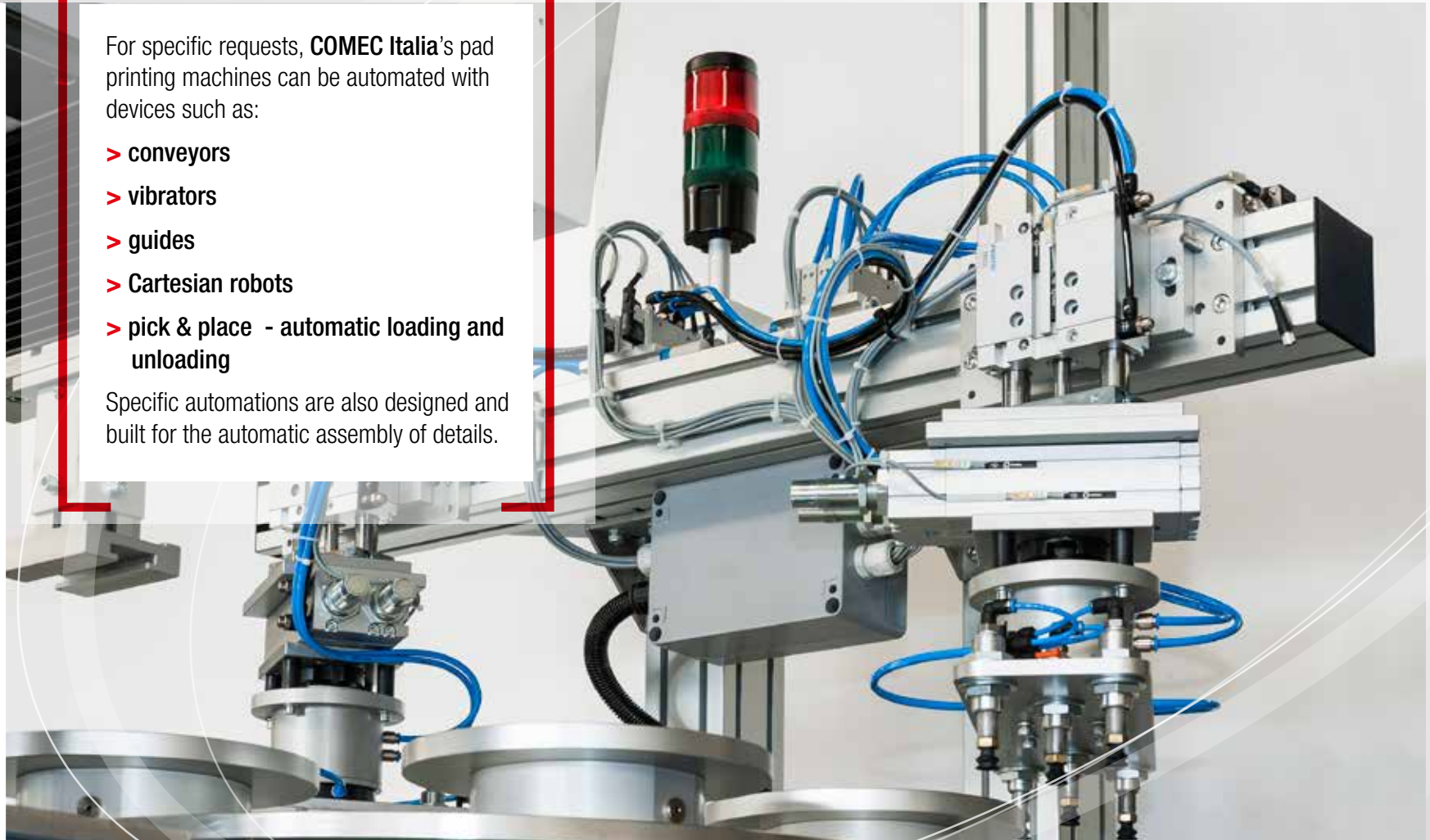


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For specific requests, **COMEC Italia's** pad printing machines can be automated with devices such as:

- > conveyors
- > vibrators
- > guides
- > Cartesian robots
- > pick & place - automatic loading and unloading

Specific automations are also designed and built for the automatic assembly of details.



Machines

digital

The new frontier of printing for three-dimensional objects

COMEC® Italia

comec digital



In a perspective of future development, **COMEC Italia** has recently introduced, and placed alongside the production of pad printing machines, the sale – and in part the production – of digital high-resolution UV LED industrial machines with flatbed and tape and single pass (high-speed) for continuous printing. Our printers are characterised by speed and image quality. XD070 series (high-speed) models are tailor-made and can be integrated into the automated systems and lines of the customer.

Machines

ovens - bromographs – etching machines – washing machines

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To complement the production of pad printing machines, **COMEC Italia** also produces a series of devices useful for the pad printing process, such as:

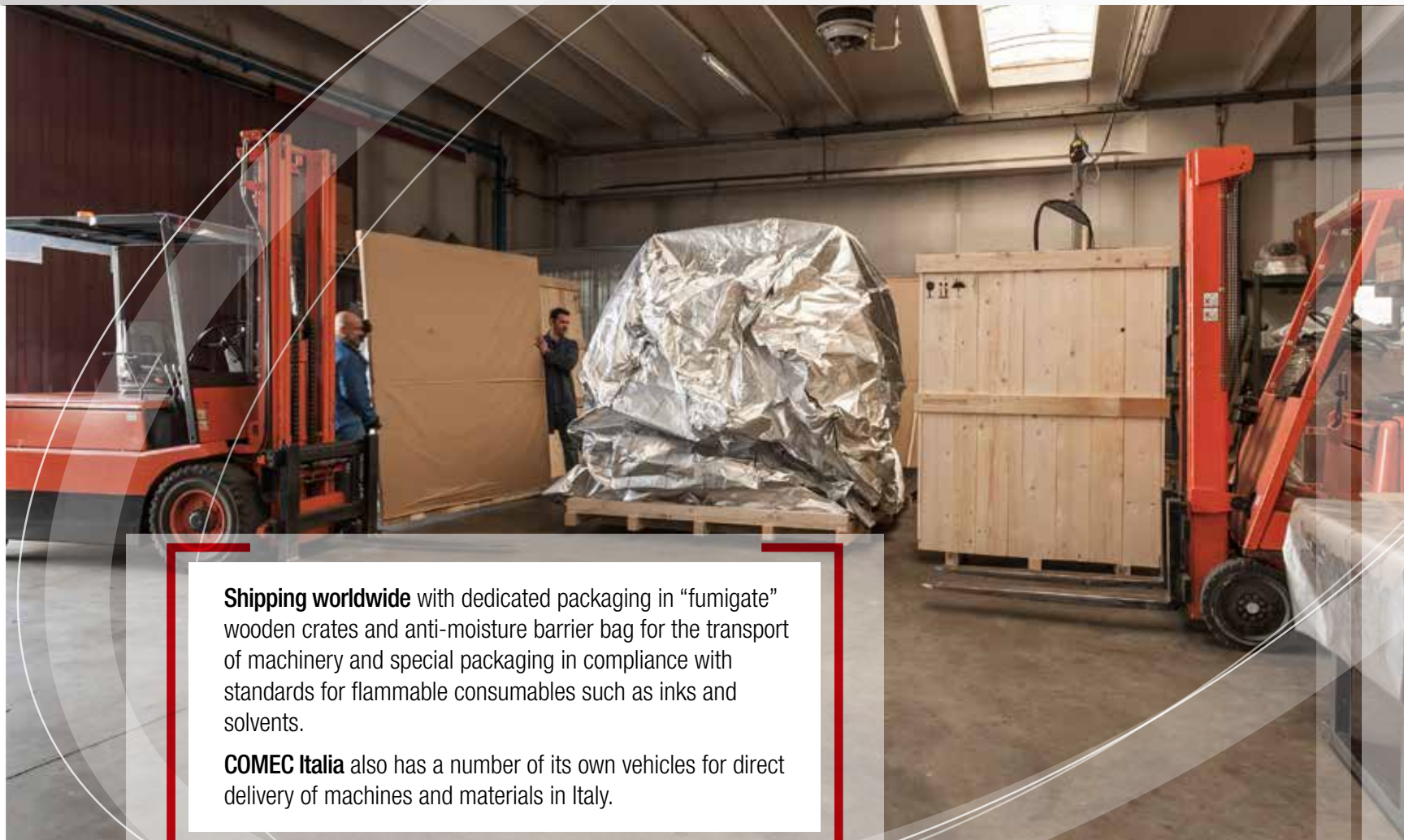
- > Infrared and UV ovens for drying moulded pieces of different sizes, MT series
- > Flaming devices for the treatment of materials before printing, GAS FLAMMING series
- > Pneumatic washing machines for automatic washing of stereotypes and inkwells, SUPERWASH series
- > Photoexposers and engraving kit for cliché, BR series

Shipments

national - international



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Shipping worldwide with dedicated packaging in “fumigate” wooden crates and anti-moisture barrier bag for the transport of machinery and special packaging in compliance with standards for flammable consumables such as inks and solvents.

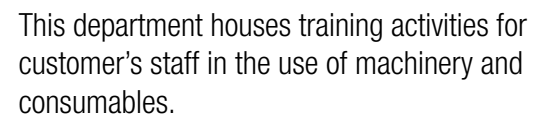
COMEC Italia also has a number of its own vehicles for direct delivery of machines and materials in Italy.

P A D P R I N T I N G A C C E S S O R I E S



COMEC[®] Italia

700 samples produced in a year

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Department

graphics - photolithography

COMEC® Italia

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The department is equipped with all the technologies necessary for the processing of customer originals and for the preparation of graphics in order to produce plants (cliché) to be used for pad printing.

Use of the latest generation of high resolution image setters, with dedicated software, ensures high quality standards.

- > **implementation of design**
- > **production of films**

chuck supports

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COMEC Italia has a **modelling department** where support chucks are made for application to pad printing machines.

These can be produced in metal or resin, or with other types of materials according to the needs of the customer.

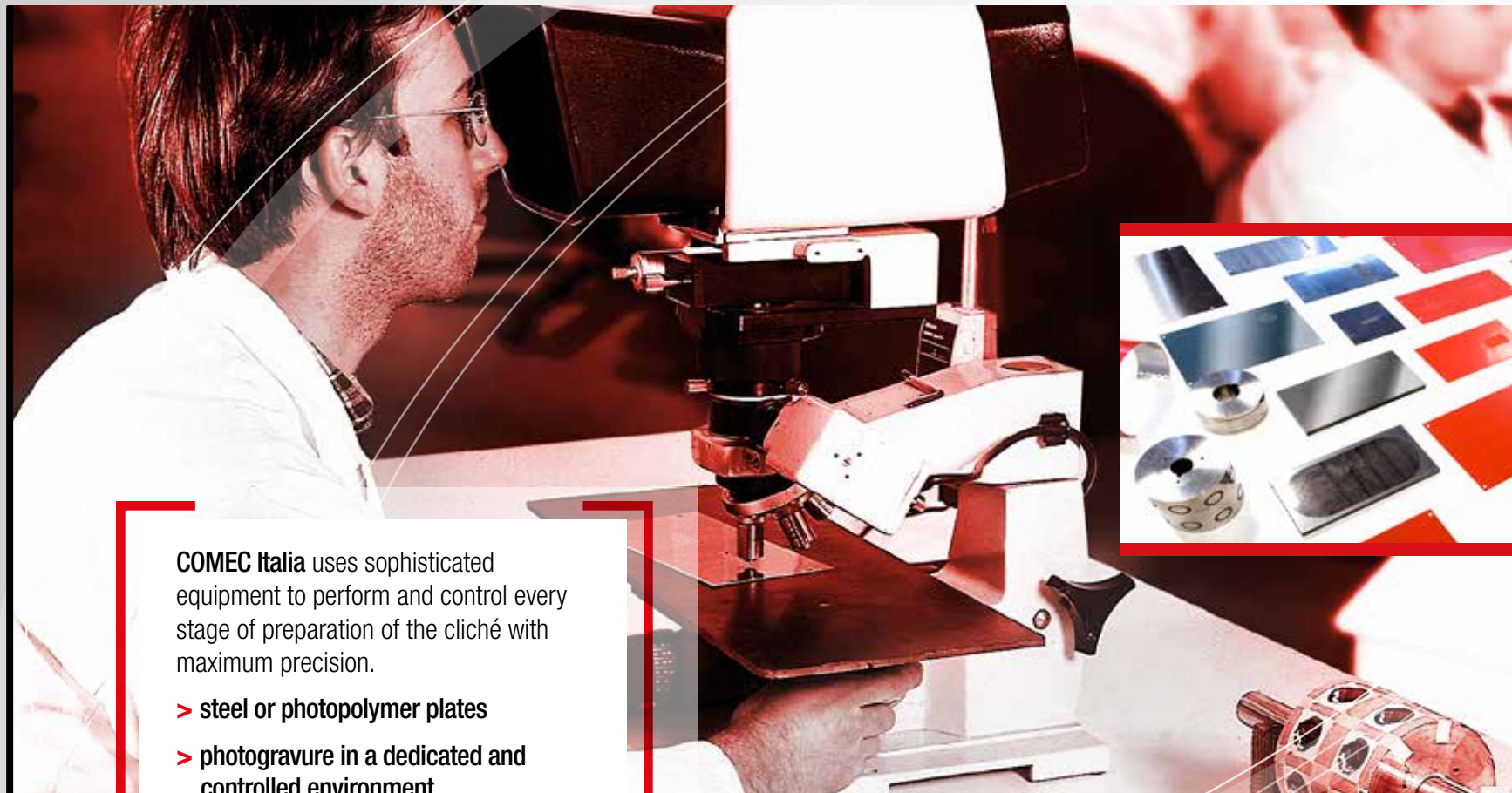
Department

cliché

10.000 cliché, 30.000 plates sold in a year

COMEC® Italia

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COMEC Italia uses sophisticated equipment to perform and control every stage of preparation of the cliché with maximum precision.

- > steel or photopolymer plates
- > photogravure in a dedicated and controlled environment
- > verification of incision depth

Department

pads

7.000 kg of silicone used in a year



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COMEC Italia Italia is able to guarantee timely satisfaction of all customer needs for printing on objects of any shape and size with a wide range of silicone pads.

- > **1,500 shapes for standard pads**
- > **4 different levels of hardness**
- > **antistatic silicone (RED-ONE)**
- > **pads with special shapes**
- > **high quality**

The hardness of each pad is obtained with great precision thanks to special machines that can dose the components with absolute reliability.



P A D P R I N T I N G I N K S



COMEC[®] Italia

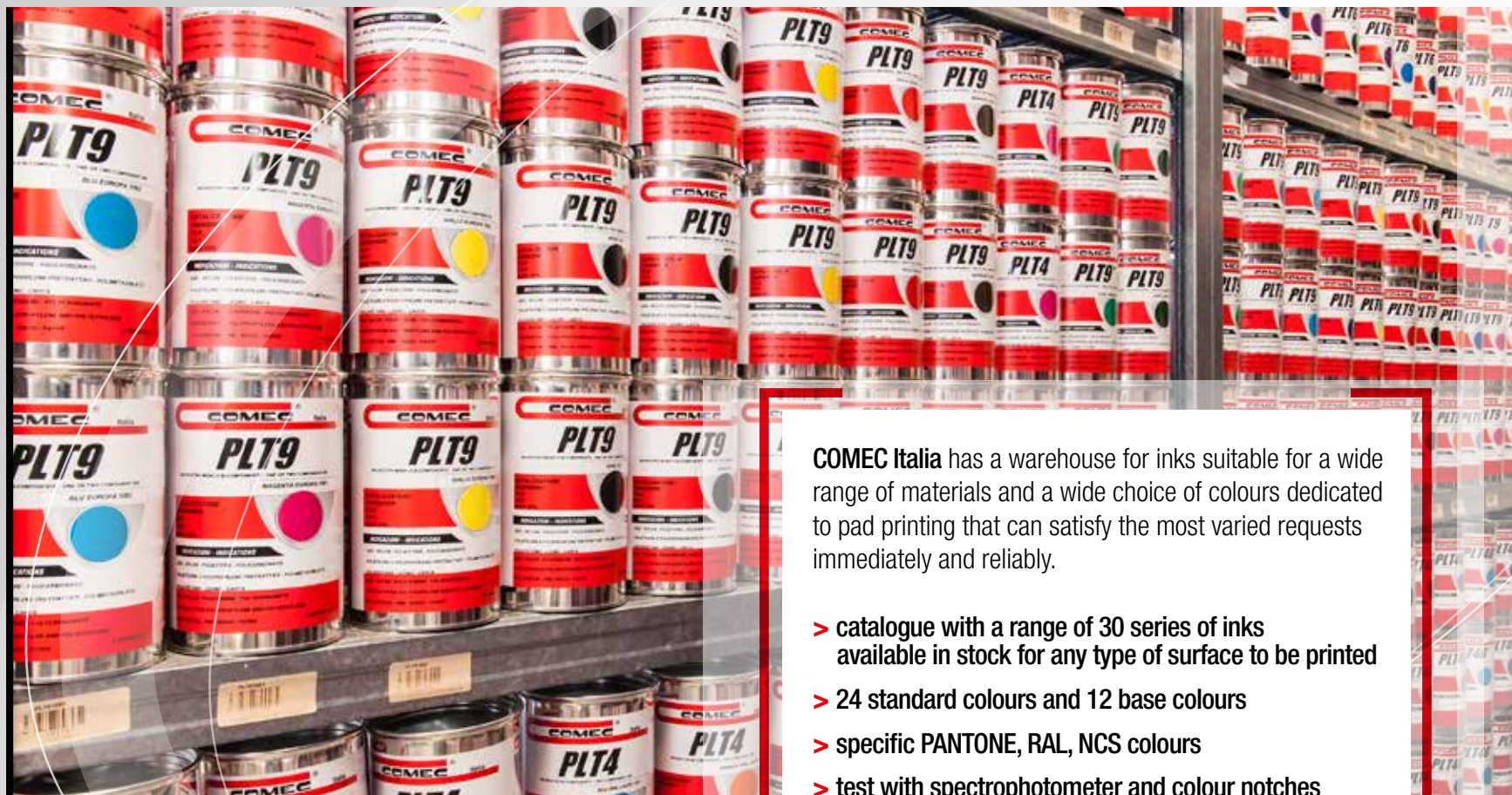
Warehouse

inks

30.000 kg of ink sold in a year



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COMEC Italia has a warehouse for inks suitable for a wide range of materials and a wide choice of colours dedicated to pad printing that can satisfy the most varied requests immediately and reliably.

- > catalogue with a range of 30 series of inks available in stock for any type of surface to be printed
- > 24 standard colours and 12 base colours
- > specific PANTONE, RAL, NCS colours
- > test with spectrophotometer and colour notches

P A D P R I N T I N G M A C H I N E S



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