ROFO 910 PLUS

The versatile in web processing

![GIETZ since 1892]

ROFO 910 PLUS
At a glance.

Based on the flat-flat stamping principle, the ROFO 910 PLUS is used in the print finishing of printed and plain web substrates in the Food (chocolate, confectionery) and Non-food areas (tobacco, shopping bags), in addition to the print finishing of pre-printed webs in the packaging and decorative industries (gift wrap paper, wallpaper). The ROFO 910 PLUS processes paper, cardboard, plastic film and composite substrates, thereby demonstrating its flexible performance range. The ROFO 910 PLUS is also ideally suited to the Security industry. Here, registered and non-registered hologram patches and stripes are applied on to banknotes, official documents and in the field of trademark protection.

1. | 120 meters per minute!

The only web-fed foil stamping machine in the world capable of processing web widths up to 910 mm and offering the flat-flat foil stamping and embossing principle, runs at up to 120 m/min (corresponding to 10'000 strokes/hour).

2. | VACUFOIL

VACUFOIL, the high performance foil transportation system with the ability to process foil rolls with large diameter and longest foil pulls at highest machine speeds leading to excellent foil saving capabilities and huge net production output.

3. | Dwell time

With the flat-flat stamping principle, long dwell times under pressure can be achieved. This makes foil transfer with high gloss possible at low temperatures and is an advantage, for example, in the foil stamping and embossing of heat-sensitive and flexible substrates or coatings.

4. | Efficiency

The short set-up times for the cost effective flat stamping dies and the continuously pre-selectable repeat and print lengths, result in higher efficiency for both large and small print runs.

5. Longitudinal and transverse foil feed / Up to 11 foil webs

Foil feed systems running both in-line with, and across, the substrate running direction ensure a decisive reduction in foil consumption, and permit completely new foil usage calculations. Through the use of the transverse foil feed, a further working step can often be avoided, depending on the image layout of the web.

6. Modular System

Tailor-made custom solutions are possible thanks to the modular construction. For example, two stamping stations can be arranged one after the other, and/or additional processing stages, including sheeting, piling, slitting and die-cutting, can be integrated.

7. Hologram application technology

For the application of positioned holograms and stripes for the security industry, Gietz is long established as a well-proven supplier of industry leading technologies.

8. Core competence and service life

For more than half a century, Gietz has focussed on foil stamping, and Gietz machines are first and foremost designed as foil stamping and embossing systems. User experiences with hundreds of machines have been consistently incorporated and integrated into their design. A Gietz is a Gietz: it foil stamps and embosses giving the highest quality, often for more than 20 years before requiring the first overhaul.

9. Price-performance ratio

The very highest stamping quality, maximum production speed, extremely long service life and reliability. A Gietz machine is well worth its price.

10. Top products for professionals

Foil stamping machines from Gietz are recognized by printers worldwide as industry leading products from professionals for professionals.
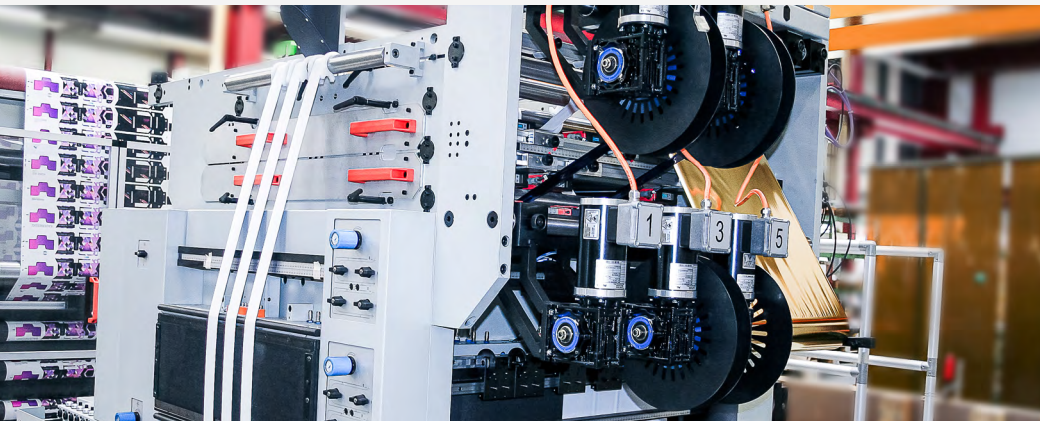
ROFO 910 PLUS
Some details.

VACUFOIL

- Longitudinal or transverse foiling operation
- Ergonomic movable swivel arm to house the
  motor-driven foil webs on 2 levels
- Suction channel frames with loop sensors to house
  the foil before pulling
- Suction board at press entry for foil web tension control
- Pneumatic vacuum device at press exit with adjustable
  blowing nozzles for foil separation
- Air cushion shafts to better support the foil travel
- Air induced draft fans with aspiration pipes to
  generate the vacuum

Machine extensions

- The standard machine can be extended by a second
  stamping station for hot foil stamping and blind embossing
- The max. substrate web pull can be increased from
  800 mm / 31.5" to 1600 mm / 63.0" to achieve a higher
  running speed by using identical stamping dies on both stations
- Another possibility is to add a web sheeter or different
  substrate un- and rewind solutions

Visualisation and inspection equipment

• A single camera video system for print quality monitoring can be supplied

• For inspection and observation of the quality of high gloss reflecting foil stamped areas, a state of the art system for fault detection based on incremental reading is available. This works also for hologram application in security applications

Baling press for foil waste

• High capacity baling press for waste foil

• The foil waste drive is located outside the machine, offering a clean and time saving solution

Hologram application

• The hologram foil is unwound using the VACUFOIL foil transportation system

• The foil tension of each hologram foil web is individually adjustable

• The register mark detection happens inside the press or at entry to the press

ROFO 910 PLUS
The facts.

- Substrate web width: max. 910 mm / 35.8"   min. 450 mm / 17.7"
- Substrate weight: max. 300 g/m²   min. 40 g/m²
- Roll core diameter of the substrate: 152 mm / 6"
- Outer roll diameter of the substrate: Standard max. 1300 mm / 51.2"   Optionally up to 1850 mm / 72.8"
- Continuous substrate web pull: max. 800 mm / 31.5"   min. 50 mm / 2"
- Stamping area: max. 800 x 720 mm / 31.5" x 28.4"
- Speed: max. 130 m/min / 427'/min

                                    Up to 10'000 strokes/h
- Temperature: Up to 200 °C / 392 °F
- Pressure of the press: max: 150 tons / 165 US tons
- Foil webs: max. 11
- Foil core diameter: 3" and 1"
- Foil reel diameter: max. 400 mm / 15.8"
- Foil width: max. 810 mm / 31.9"   min. 10 mm / 0.39"

- **Weight and dimensions**

  Weight: approx. 16.5 tons / 18.2 US tons

  Base: approx. 11.5 x 4.1 m / 37.7' x 13.5'
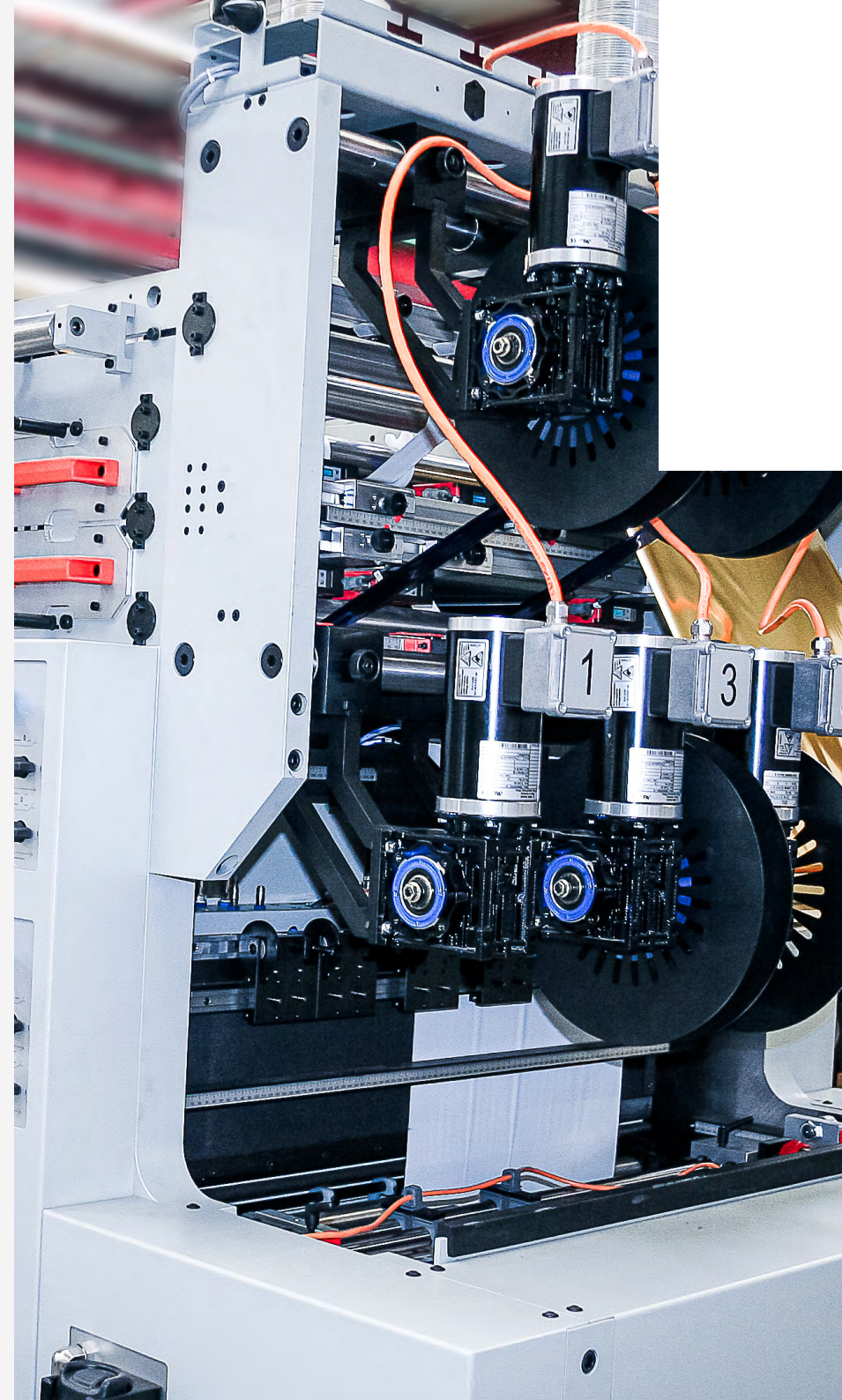
  Height: 3.6 m / 11.8'

Standard equipment

- VACUFOIL foil transportation system
- 2 longitudinal foil feeds
- High capacity baling press for waste foils
- Touch Screen machine control

Optional equipment

- Machine extensions
- Hologram equipment
- Up to 8 longitudinal and 2 transverse foil feeds
- Manufacturing Execution System

Gietz Services around the globe

Quality quarantees

All Gietz-machines are provided with guarantees for functionality and material quality. They all have a long service life. The basis for this is the solid technology, which can be relied on at all times. This is proven by the fact that, as a result of the high production reliability and the performance of the machines, numerous customers have ordered further machines after their first one.

Gietz-Service - Security in every case

In order to guarantee the highest possible availability of the machine over decades, we would recommend the consideration of a service contract. The remote service analysis is a component part of this.

Global After-Sales Service

Gietz-machines require a minimum of regular servicing, as the experience of millions of operating hours has been integrated into every machine. For this servicing, you can rely on Gietz and its international partners at all times. This is also the case for the availability of customer service, the rapid arrival of service technicians and the prompt delivery of spare parts – all of which are a matter of pride for us. More than 30,000 different items are in stock. This applies for all Gietz-machines, even if they were purchased many years ago. Service work is only carried out by technicians who have been trained in our factory in Switzerland. You can thereby rely on their specialist capabilities at all times. Gietz and its partners are always there for you, both today and tomorrow.

since 1892

Gietz AG

Mooswiesstrasse 20 | 9200 Gossau | Switzerland

+41 71 388 22 22 | info@gietz.ch | www.gietz.ch

Member of:

Arbeitskreis Prägefolien Druck e.V.

ECMA European Carton Makers Association

FSEA Foil & Specialty Effects Associations

Paperboard Packaging Council

International Currency Association