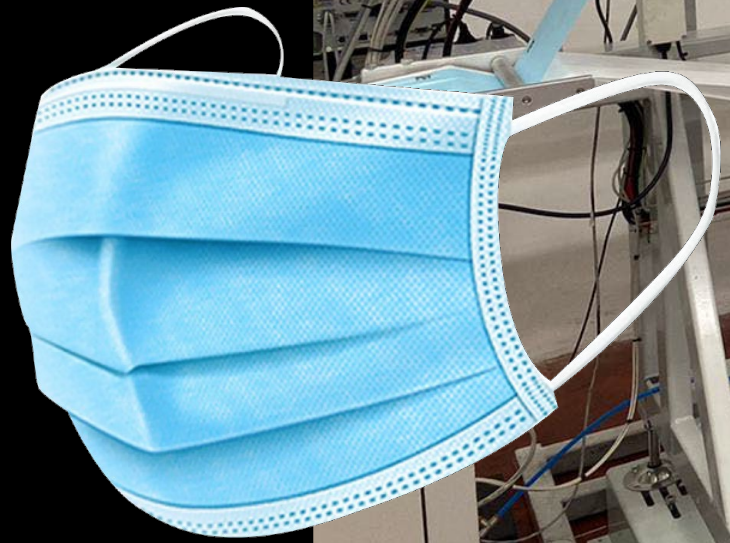
Re

ONE COMPANY … 1000 SOLUTIONS!

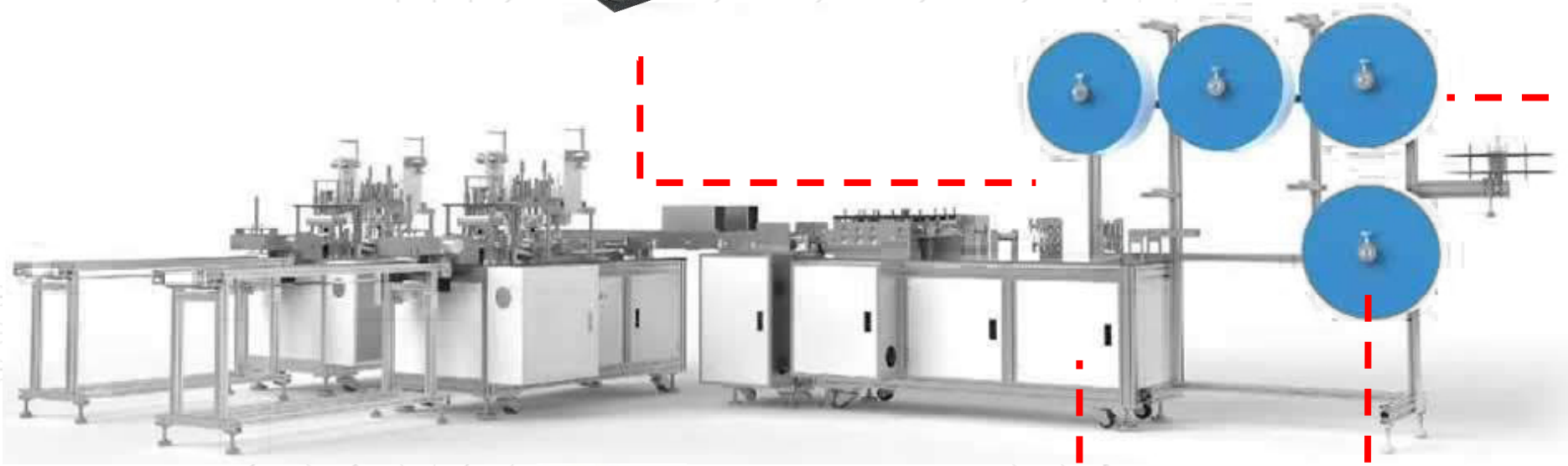
SURGICAL FACE MASKS



Electromagnetic
Powder brakes

Web guiding
systems

Load
cells



Tension
controllers

Expanding
Shafts

WHICH ARE THE MAIN AIMS FOR THE INDUSTRY?

- PRECISE TENSION OF DIFFERENT MATERIALS
- ACCURATE ALIGNMENT OF DIFFERENT MATERIALS
- FINAL TRIMMING REDUCTION
- RESPECT FOR THE HYGIENE REGULATION

UNWINDER TENSION CONTROL - Brakes

Control the web tension during the process is essential to obtain an high quality product. The surgical face masks industry require a complex and accurate control as there are many and different materials to check in compliance with the hygiene regulation.

ELECTROMAGNETIC POWDER BRAKES

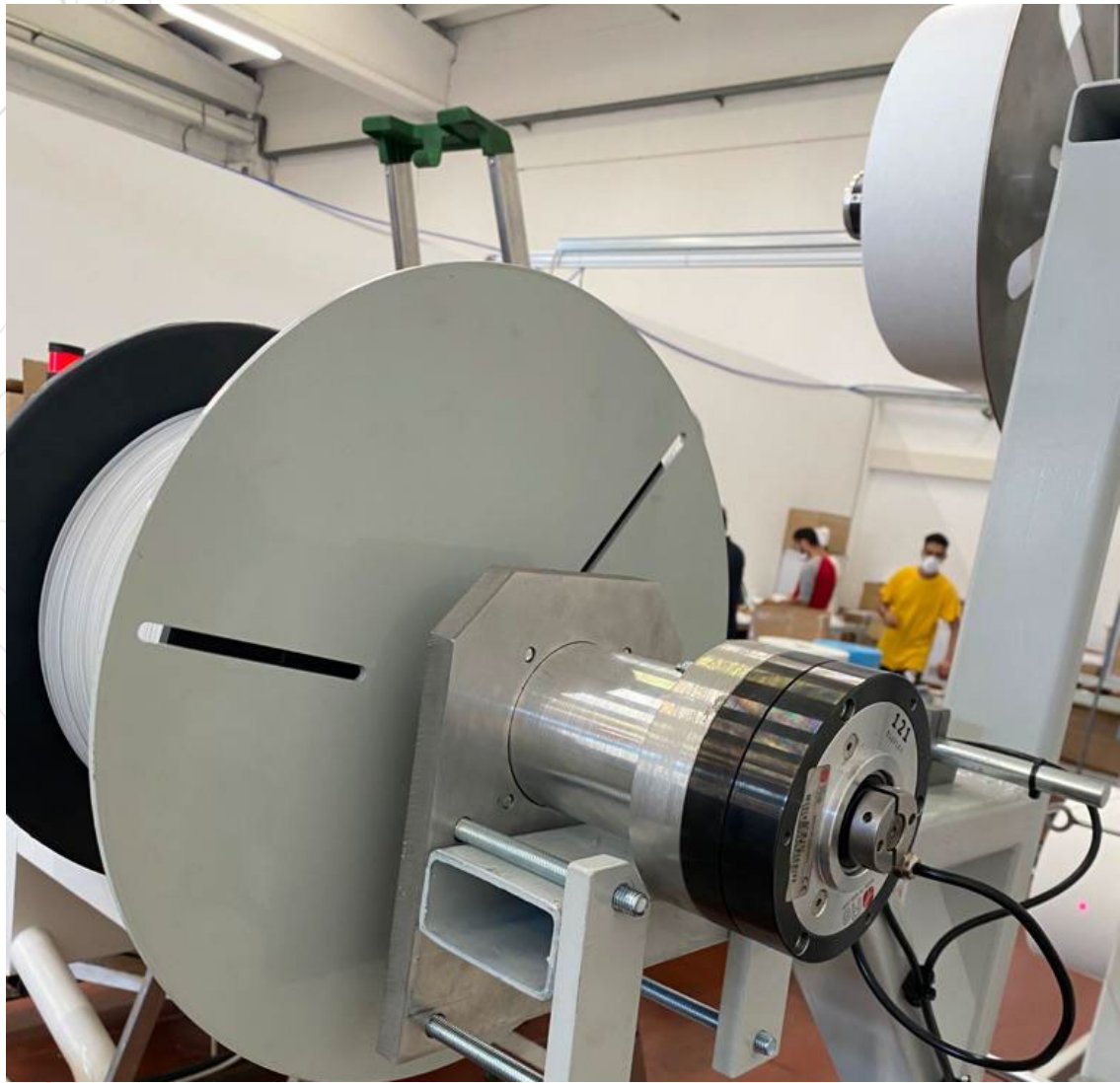
To ensure accuracy and stability of the torque control and, moreover zero emissions in compliance with the law, we can offer a wide series of electromagnetic powder brakes such as B20; B.55 or B121.

These model ensure torques from 2 Nm to 12Nm and power dissipation from 24 W to 80 W.

B20

B55

B121



UNWINDER TENSION CONTROL – Closed loop

Control the web tension during the process is essential to obtain an high quality product. The surgical face masks industry require a complex and accurate control as there are many and different materials to check in compliance with the hygiene regulation.

Closed loop tension control

The tension control of the different unwinder could be manage with a closed loop system using:

- Flange load cells CF.85 (loads from 50N to 2000N) load cells CH (loads from 250N to 1000N) or sensor roller CPF (loads from 50N to 700N)

CF.85

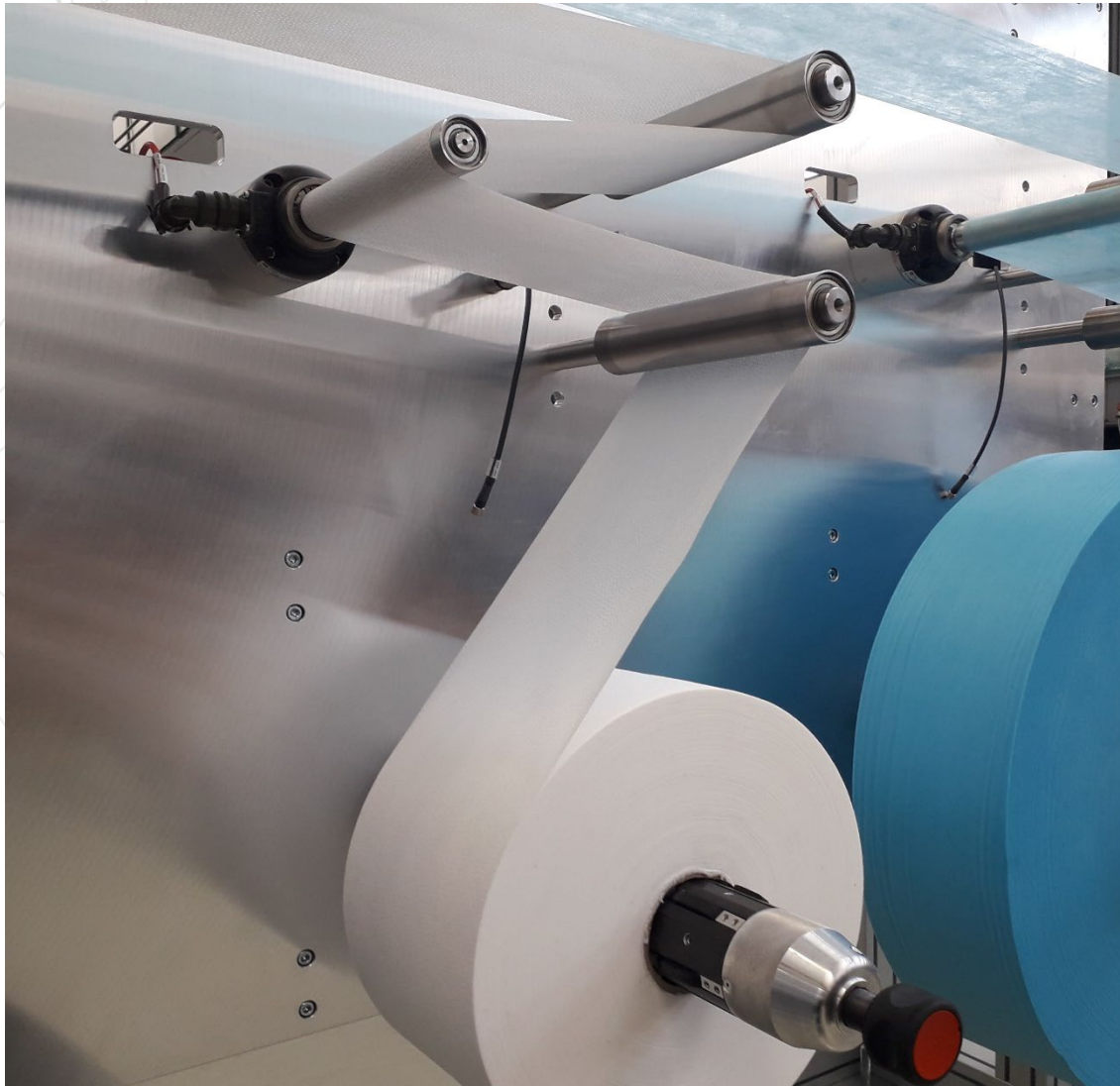
CH

CPF

- Tension controller T-one SEL XP or T-two

T-one SEL XP

T-two



UNWINDER TENSION CONTROL – Open loop

Control the web tension during the process is essential to obtain an high quality product. The surgical face masks industry require a complex and accurate control as there are many and different materials to check in compliance with the hygiene regulation.

Open loop tension control

The tension control of the different unwinder could be manage with a Open loop system using:

- Diametral sensor LS01

LS01

- Tension controller T-one ULS

T-one ULS

- Current regulator LEO

Leo

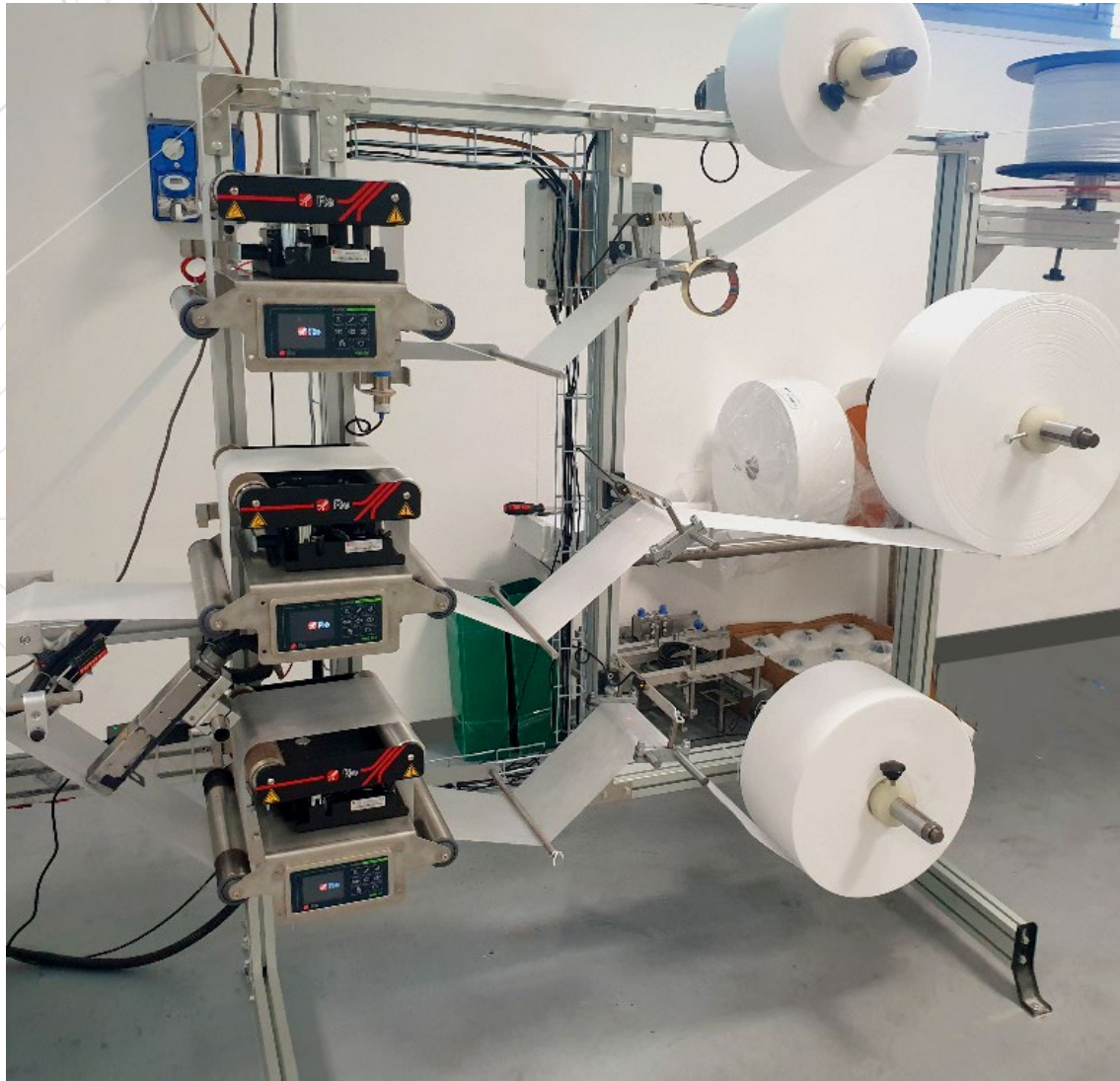
WEB ALIGNMENT – Web guiding system

Surgical face masks are produced through the coupling of different materials that, if during the process are not aligned correctly, they have to be trimmed causing high wastes and productivity decrease.

WEB GUIDNING SYSTEM

WG.251 web guiding system equipped with stepper motor ensure an high accuracy and reliability for the web alignment. MWG10.1 control has been designed to make all operations very simple and user-friendly.

WG.251 ensure an actuator stroke of +/- 10mm; min-max actuator speed of1-34 mm/s; max web tension of 150N and can be provided with a roller length from 160mm to 400mm.



UNWINDING – Expanding shafts

To transfer the right torque produced by the brake in order to obtain a perfect web tensioning is essential that the expanding shaft is able to make a good grip on the reel core.

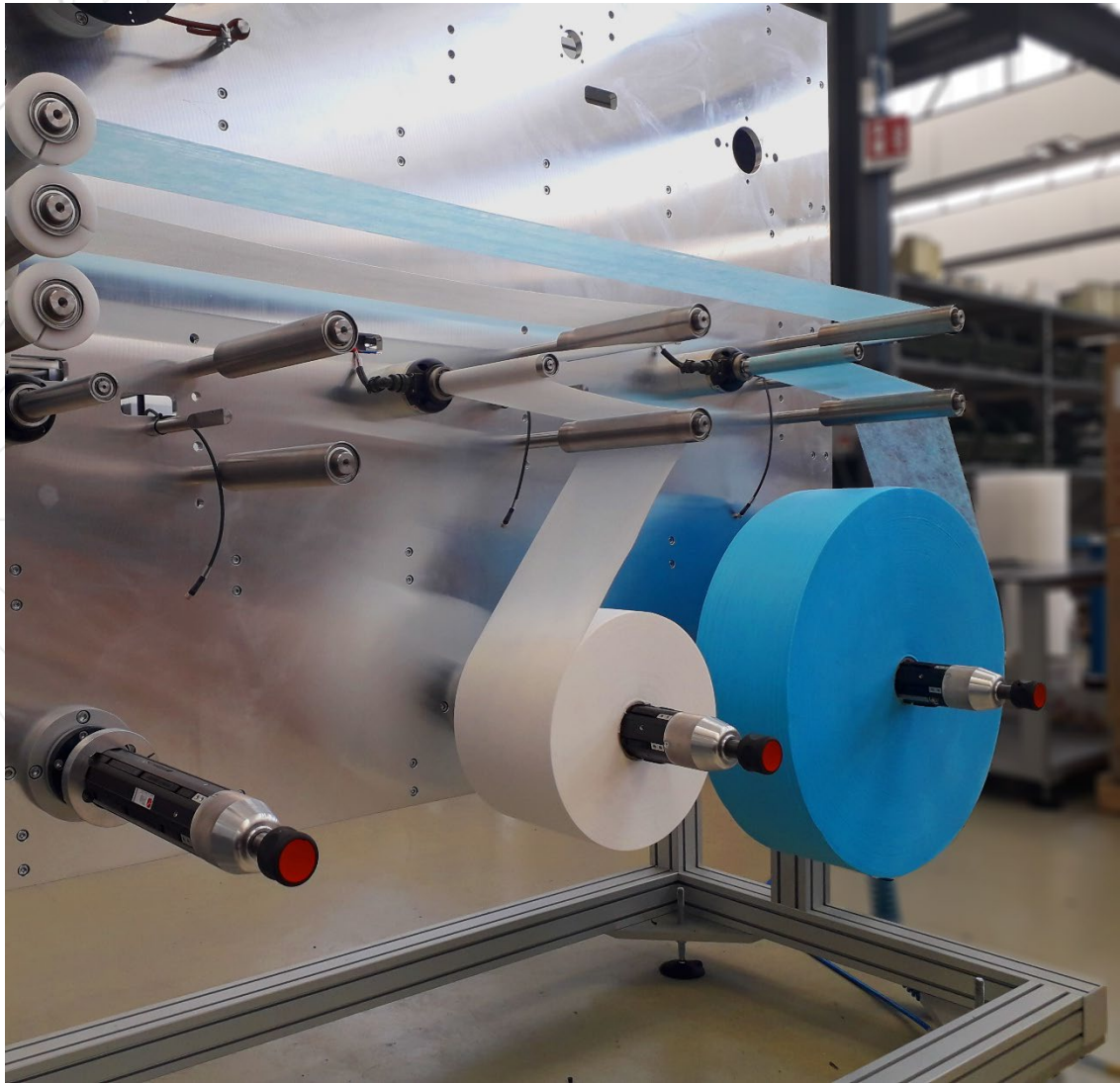
EXPANDIN SHAFTS

To ensure a precise torque transmission we can offer air expanding shafts with listels, keys or lugs, made of aluminum or steel for reel cores from 1” to 6” and more on customers’ request.

In the surgical face masks industry is usually request a special cantilever expanding shafts with manual axial movement in order to align precisely the reel core from the beginning of the process.

Cantilever shaft with axial movement

Cantilever shaft



THANK YOU

Via Firenze, 3
20060 Bussero (Milan) – Italy

T. +39 02 9524301
@ info@re-spa.com
www.re-spa.com