

**DECOUP+**

by Spoolex Group

# Expert in Ultrasonic technology since 1975

**Manual devices**



**Units for integration**



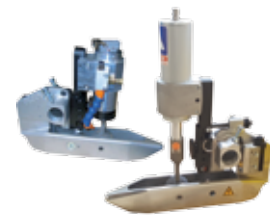
**Weaving looms**



**Finishing operations**



**Final make-up operations**

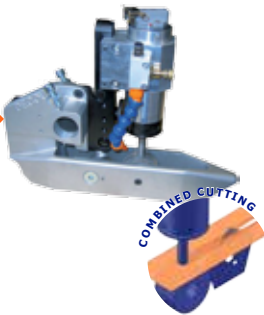


RANGE OF PRODUCTS

# A solution for each application

## PP WOVEN FABRICS

STAR 75W



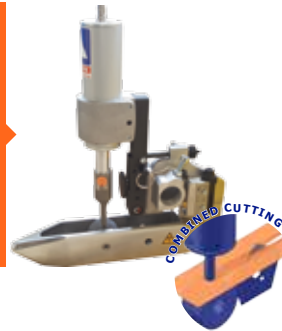
### Applications:

- Bags
- Inner liner for big bags
- Agrotexiles

### Characteristics:

- Flat or circular weaving looms mounting
- Low to medium speed cutting (6-8m/min)
- Fabric weight up to 110 gsm
- 8 mm welding width

STAR 150W



### Applications:

- Big bags
- Bags
- Inner liner for big bags
- Agrotexiles

### Characteristics:

- Flat or Circular weaving looms mounting
- Low to medium cutting speed (6-8m/min)
- Fabric weight up to 300 gsm
- 10 or 20 mm welding width

## MANUAL OPERATIONS

P & T 300W



### Applications:

- Awnings and interior blind fabrics
- Performance fabrics
- Any fusible fabric

### P device Characteristics:

- Flexible handheld solution to perform cutting or welding operations, depending on the sonotrode

### T device Characteristics:

- Handheld cutting operations
- Can be integrated in a track to perform straight cutting or mounted on cross cutting system

CLAMP



### Applications:

- Blended fabrics, Nonwovens
- Plastic
- Any fusible fabric

### Characteristics:

- User friendly clamp for manual spot welding or cutting operations
- Various and easy interchangeable counter-tools

Welding station



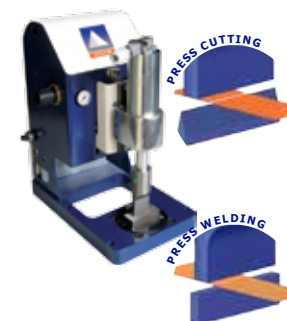
### Applications:

- Sun protection
- Nonwovens and Technical textiles
- Bags, Big bags, Inner liner, Agrotexiles...

### Characteristics:

- Individual and ergonomic workstation for stitching operations without any additional material

MINI PRESS



### Applications:

- Small welding operations
- Ribbons and strap cutting

### Characteristics:

- Very compact and flexible unit
- Cutting or welding operations, depending on the tool
- Able to handle sonotrodes up to 60 mm width

**You application is not listed? Don't worry!**

**Our Engineering department and our Test shop allow us to support each project with a customised approach. Don't hesitate anymore, submit us your idea!**

# From looms to final make-up

## YARN WOVEN FABRICS

### Weaving looms

MK 75W



#### Applications:

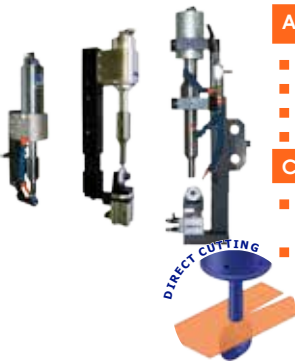
- Coating supports
- Polycotton for abrasive products
- Performance fabrics
- ...

#### Characteristics:

- Flat weaving looms mounting
- Low cutting speed (0-10 m/min)
- Fabric weight up to 600 gsm

### Stenters and Inspection machines

MK-MP 300-1 200W



#### Applications:

- Sun protection fabrics, home textiles
- Coating supports
- Geotextiles
- ...

#### Characteristics:

- Stenter frames, inspection machines, off-line slitting machines
- Medium to high cutting speed, depending on power and fabric type

BMT



#### Applications:

- Acrylic and polyester for sun protection fabrics
- Dipped fabrics for conveyor belts and chaffer

#### Characteristics:

- Stenter frames, inspection machines, off-line slitting machines
- Medium to high cutting speed, depending on power and fabric type

Ken Motorized



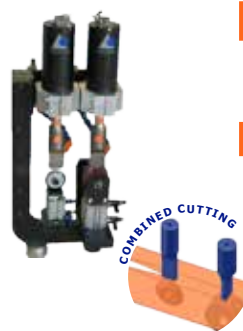
#### Applications:

- Light and open-meshed coating supports

#### Characteristics:

- Stenter frames, inspection machines, off-line slitting machines
- Medium to high cutting speed, depending on power and fabric type

Duo 300W



#### Applications:

- Light and open-meshed coating supports
- PP woven fabrics up to 300 gsm

#### Characteristics:

- Stenter frames, inspection machines, off-line slitting machines
- Reinforced edges on sensitive fabrics

### Your contacts:

- Sylvie Montagne, Sales Manager: [sylvie.montagne@spolex.com](mailto:sylvie.montagne@spolex.com)
- Johanna Boudjenane, Sales Assistant: [johanna.boudjenane@spolex.com](mailto:johanna.boudjenane@spolex.com)
- Sandrine Gaschon, Sales Assistant: [sandrine.gaschon@spolex.com](mailto:sandrine.gaschon@spolex.com)

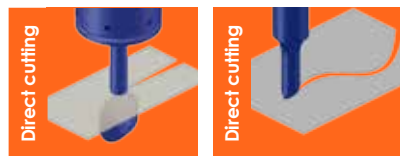
+33 (0) 477 29 36 70

## Our technologies

**DECOUP+** proposed various solutions depending on your products:

- **Continuous direct cutting or press cutting** for a clean edge without fraying
- **Combined cutting** (ultrasonic welding track + mechanical or ultrasonic cutting) for reinforced edges
- **Press welding** for welding operation without any additional material
- **Continuous welding** for 2 webs splicing operations

## Direct Cutting



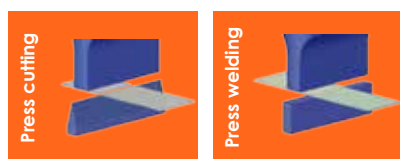
Cutting and sealing in one single pass

**Devices type:**

- MK75, 300, 1 200W
- T 300W
- P 300W



## Press Cutting & Press welding



Impulse cutting or welding in one single pass

**Devices type:**

- Mini press
- Clamp



## Combined Cutting



Ultrasonic welded track followed by a mechanical cut (ceramic blade)

**Devices type:**

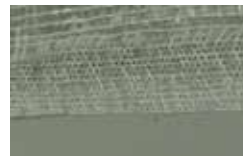
- Star 75 and 150W



Ultrasonic welded track followed by a mechanical cut (scissor)

**Devices type:**

- Ken 300W



Ultrasonic welded track followed by an ultrasonic cut

**Devices type:**

- Duo 300W



Ultrasonic welded track followed by a crush cutting

**Devices type:**

- BMT 1 200W



## Continuous welding



Ultrasonic welded track

**Devices type:**

- Welding station

