

# Trislot® Screens and slotted tubes

## for paint, coating and ink production

### Application

Trislot® Wedge wire is used in different stages of paint production: mixing, milling, filtering

### Laboratory Basket Mill for Mixing and Milling

#### Product specifications

- ▶ Cylinder = axial slots, support wires on the outside, FITO (flow in to out)
- ▶ Slot opening : from 0.03 mm and up, typically 0.5 mm
- ▶ Profile : 12S, 15S, 18S, 18Sc (see overleaf for dimensions)
- ▶ End piece and bottom
- ▶ Wide range of alloys such as AISI 316Ti (18Sc) , 1.4310, ...

### Basket Mill for Mixing and Milling

#### Product specifications

- ▶ filter disc or double walled slot tube
- ▶ Slot opening : from 0.03 mm and up, typically 0.4 mm
- ▶ Profile : 12S, 15S, 18S, 18 SC (see overleaf for dimensions)
- ▶ Wide range of alloys such as AISI 316Ti (18Sc) , 1.4310, ...

### Bead Mills

Horizontal or vertical

#### Product specifications Horizontal

- ▶ Slottube = radial slots, support wires on the inside, FOTI (flow out to in)
- ▶ Slot opening : from 0.03 mm and up
- ▶ Profile : 12S, 15S, 18S, 18Sc
- ▶ Both sides with end ring
- ▶ Wide range of alloys such as AISI 316Ti (18Sc) , 1.4310, ...

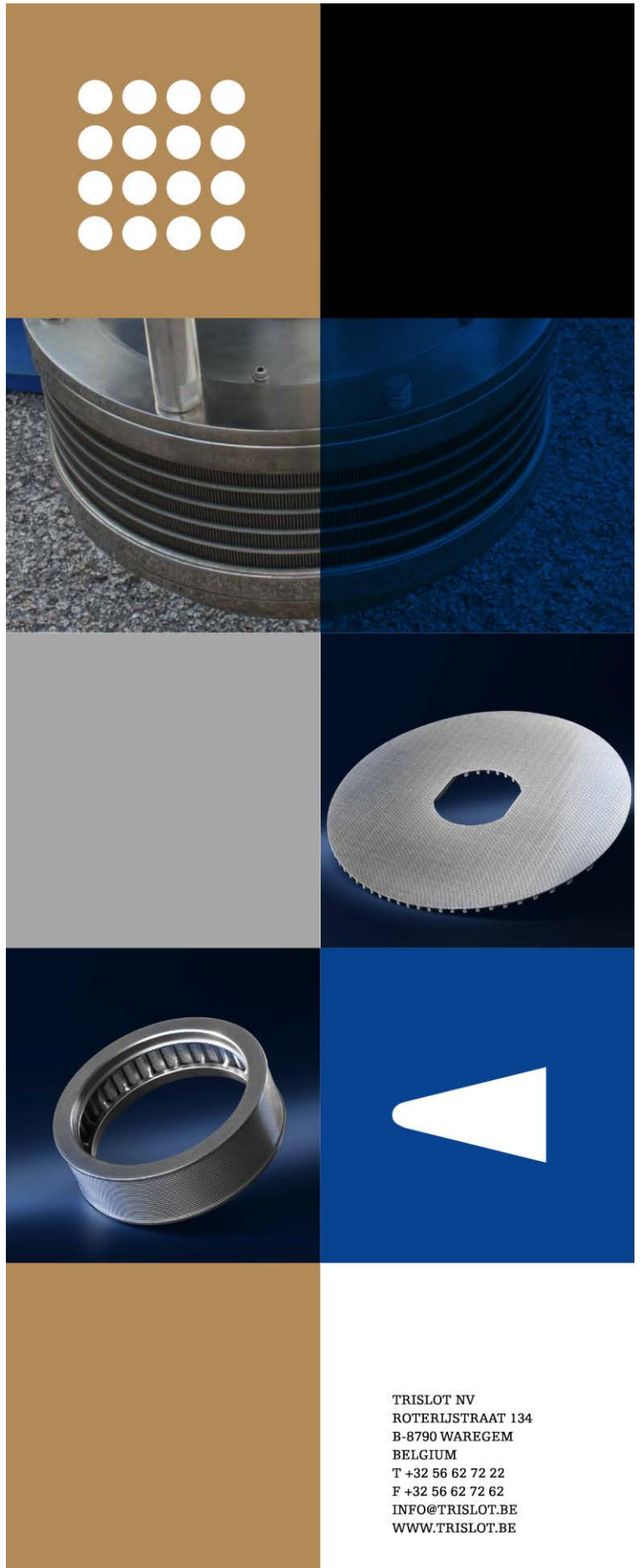
#### Product specifications Vertical

- ▶ Slottube FOTI
- ▶ Slot opening : from 0.03 mm and up
- ▶ Profile : 12S, 15S, 18S, 18Sc
- ▶ Both sides with end ring
- ▶ Wide range of alloys such as AISI 316Ti (18Sc) , 1.4310, ...

### Other wedge wire products for paint industry

- ▶ Self cleaning filters

 Trislot®



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### Specific Finishes

- ▶ Hardening: Kolsterising
  - 1000-1200 HV
  - introduces massive amounts of carbon into the austenitic stainless steel and leads to the formation of expanded austenite without reducing corrosion resistance
- ▶ Hardening: ECORR
  - 1000 HV
  - introduces nitrogen into austenitic stainless steel and leads to the formation of expanded austenite
- ▶ Hardening: Hard Inchromizing
  - 2000 HV
  - Applies a chromium-carbide layer on the surface of carbonized or high-carbon steel

### Wedge wire advantages







- ▶ Strong mechanical construction
- ▶ Long life time compared to electroformed sheet
- ▶ Lower total cost of ownership
- ▶ Non-clogging

### Why choose Trislot?

- ▶ Know-how
- ▶ Highest quality : high accuracy slots, extended lifetime
- ▶ Global experience
- ▶ With production sites both in Belgium and China and an extended sales team, we can provide our high quality service worldwide

### Trislot quality assurance

- ▶ ISO 9001 certified
- ▶ Trislot focusses on total quality management
- ▶ 50 years of experience

Shape	Name	Width mm	Height mm	$\alpha$	Cross section - Q	Moment of resistance - W	Moment of bending – I
<b>Profile wires</b>							
	12S	1	2	10	1.32	0.327	0.388
	15S	1.2	2.5	10	1.97	0.605	0.899
	18S	1.5	2.5	12.5	2.46	0.747	1.114
	18SC	1.5	2.8	13	3.371	1.189	1.9
<b>Support profiles</b>							
	Q25	2	3	/	4.61	2.019	2.39
	Q35	3	5	/	11.75	8.52	17.032

**Trislot® offers a complete range of solutions, making us an ideal partner for your filtration needs**