

Quality Metal Mesh Products

Continuous Filament Processing



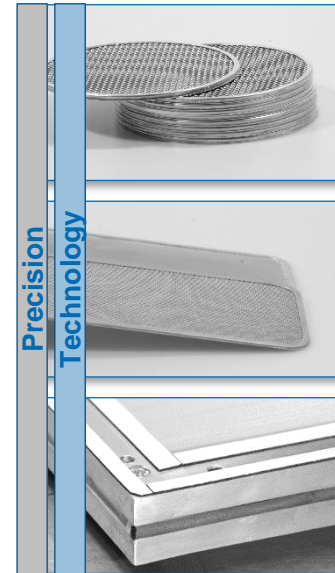
- ISO 9001/TS16949 quality certification
- Supplier for leading extrusion and spinning machine OEMs
- Innovative technology in metal mesh products



- Short lead times & on-time delivery
- Flexible volumes (small quantities possible)
- Standard specifications in stock
- Convenient logistics



- Dimensions and product configurations according to customer demand
- Optimization of customer filtration and dispersion



Round Screens
filtration in extrusion

Long Screens
filtration and dispersion before spinning

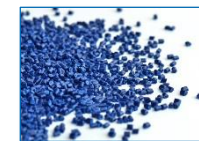
Air Rectifiers
efficient filament processing

About the fteu® Group

We stand for metal mesh products that enable improved function in processes and machines. Quality excellence is our trademark in solutions that achieve more productivity and effectiveness for our customers. Our headquarters are in Germany and further sales and production site in the Czech Republic and P.R. China. Through a global network of agents we are represented worldwide.

Contact us today or learn more: www.fteu.de

Our customers



Plastics



Textile



Nonwovens

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Fluid
Filtration

Fluid
Dispersion

Precision
Assembly

Sound
Absorption

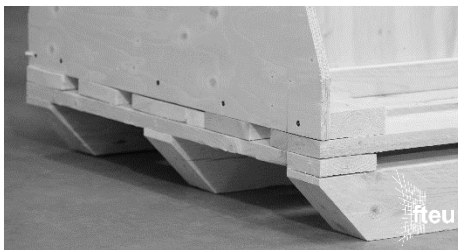
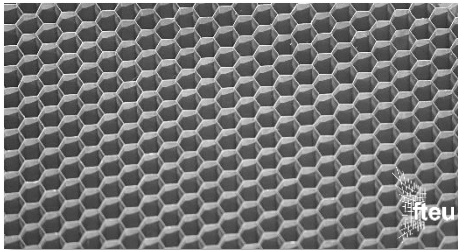
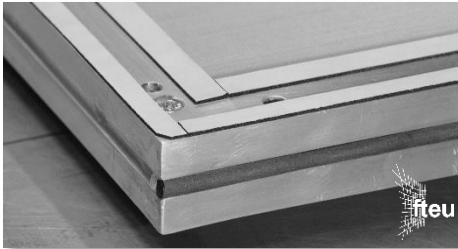
Heat
Absorption

Better Function in Metal Mesh

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Product presentation

fteu® precision rectifiers



fteu® design for ideal fit and air flow

- **Dimensions:** customer-specific dimensions; rectifier length of up to 6000mm; honeycomb height of 30mm or 50mm
- **Material:** stainless steel metal mesh; aluminum honeycombs; aluminum frame

Excellence in function

- **Functional Dispersion:** precision metal mesh (5.9 million channels/m²; fteu® work norm based on ISO 9044), flat-walled honeycomb channels
- **Seamless Fit:** flat lie of frame, exact position of mounting holes
- **Dispersion Excellence:** even and tight metal mesh over entire surface, even mesh channel distribution, minimized mesh deformations
- **Operator Convenience:** uniform surface appearance (minimized color gradients and weft wire changes)
- **Optical Excellence:** honeycombs with even cell sizes (fteu® premium quality; SAE AMS-C-7438A)

Services for speed and customer value

- **Logistics:** safe logistics in reusable fteu®-boxes and shock sensors
- **On-site support:** convenient on-site measurement or measurement protocol for accurate dimensions
- **Repair:** flexible repair service for wire mesh & honeycombs

Precision
Technology

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Available in standard specifications



Available as customized engineered elements



Available as repair service

Fluid Filtration

Fluid Dispersion

Precision Assembly

Sound Absorption

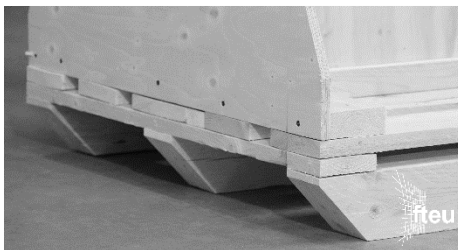
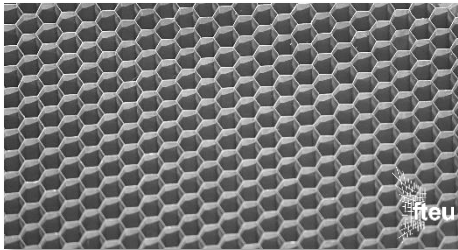
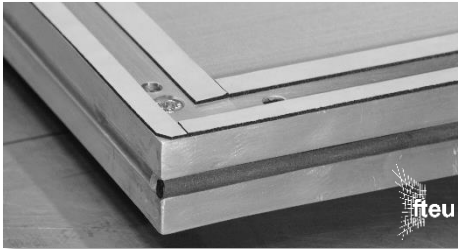
Heat Absorption

Better Function in Metal Mesh

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Available in standard specifications



Available as customized engineered elements



Available as repair service

Fluid Filtration

Fluid Dispersion

Precision Assembly

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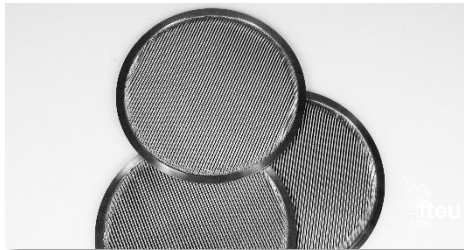
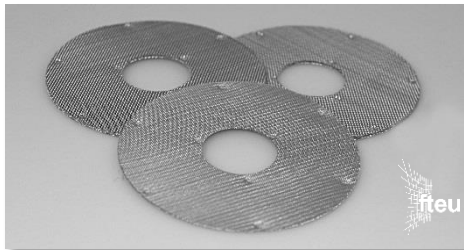
Heat Absorption

Better Function in Metal Mesh

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Product presentation

fteu® precision round screens



Optimized filtration and dispersion

- **Types:** various shapes (round-, oval-, ring-shape) and types (welded, framed) available
- **Dimensions:** screens of various shape with diameter from 6mm up to 500mm
- **Material:** stainless steel metal mesh; aluminum frame

Excellence in function

- **Filtration:** defined filtration fineness between 500µm and 1µm for each layer
- **Flow:** media of wire mesh (6 different weaving structures available) and/or metal fibre felt for optimized flow and dirt hold characteristics
- **Standard fit:** accuracy of $\pm 0.3\text{mm}$
- **Seamless fit:** accuracy of $\pm 0.07\text{mm}$ for optimized flow characteristics
- **Engineering:** customized design and fluid-based layer configuration for optimal filtration and dispersion
- **fteu® MicroPleats:** exploitation of filtration, flow, and pressure parameters with fteu® MicroPleats for up to triple the surface area

Efficient production

- **Production:** state-of-the art technology for accurate manufacturing with and without tooling (i.e. plasma cutting) out of plants in Germany and China

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Available in standard specs.
(i.e. Nordson Kreyenborg)



Available as customized
engineered elements



Available as
series product

Fluid
Filtration

Fluid
Dispersion

Precision
Assembly

Sound
Absorption

Heat
Absorption

Better Function in Metal Mesh

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Precision overview

fteu® precision round screens



Dimension [mm]	Type	Tolerance [mm]	Procedure	Unit cost	Tool cost
up to Ø120	fteu®-Standard fit	±0,3	Stamping	low	low
			Plasma-cutting	medium	-
	fteu®-Tailor fit	±0,2	Fine stamping	medium	medium
			Fine plasma-cutting	high	low
fteu®-Seamless fit	±0,07	Precision stamping	high	high	
Ø120-Ø300	fteu®-Standard fit	±0,5	Stamping	low	low
			Plasma-cutting	medium	-
	fteu®-Tailor fit	±0,3	Fine stamping	medium	medium
			Fine plasma-cutting	high	low
fteu®-Seamless fit	±0,15	Precision stamping	high	high	
Ø300-Ø500	fteu®-Standard fit	±0,5	Plasma-cutting	low	-
	fteu®-Tailor fit	±0,3	Fine plasma-cutting (max. 400)	medium	low