



# ZSK EMBROIDERY MACHINES

## Trade Show Guide 2024

TRADE SHOW GUIDE | HIGHLIGHTS

[Subject to change](#)



## ZSK EMBROIDERY MACHINES

### Production sites Germany:

#### Krefeld

RACER, SPRINT

#### Remscheid

FLATBED, RACER

Düsseldorf

• Hamburg

• Berlin

• Frankfurt

• Munich

Representatives in more than **100** countries.



**24**  
colours

### SPRINT 7 MAX

- 24 Needles - huge colour variety!
- Ideal with ZSK Thread Cone Matching.
- Ideal for fulfillment provider.
- Fast colour change.



## SPRINT SERIES

- Single head embroidery machines.
- 12, 18 or 24 needles/colours.
- Flat and tubular embroidery.
- (Extra-) large embroidery fields.

### Coloreel

- Unique direct connection to Coloreel for maximum precision.





## RACER SERIES

- Single- and multi-head machines.
- Combination machines for Chenille or Cording, Taping and Coiling.
- 12, 18 or 24 needles/colours.
- Head Selection that increases productivity.
- **NEW** Premium Cap Frame Device.
  - Improved embroidery results.
  - Perfect for small lettering.
  - Ideal for 3D puffy embroidery.
- **NEW** Switchable thread tension K-Head .
  - Perfect thread tension either for chain or moss stitch.

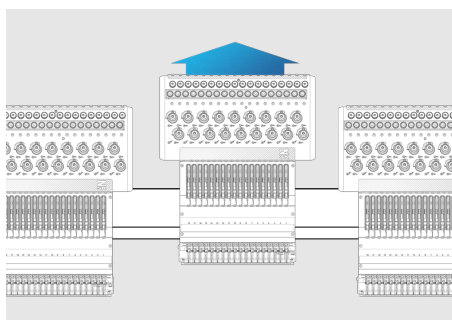
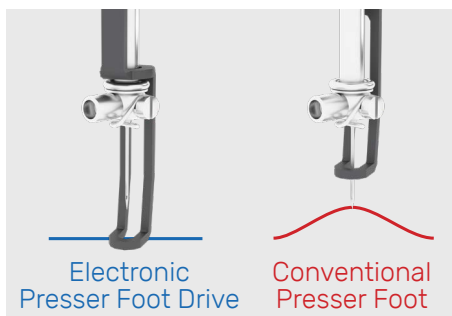




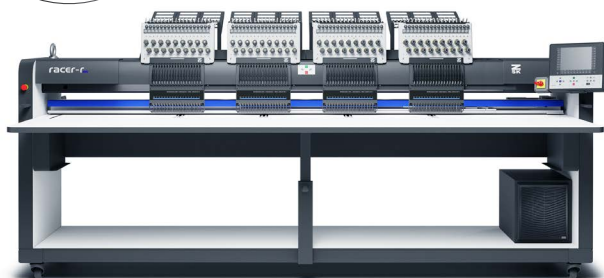


## R-SERIES

- Single- and multi-head RACER-R with up to 2.020 rpm.
- Less vibration, less noise.
- High embroidery speed.
- Impressive embroidery quality.
- Less thread breaks.
- Low maintenance.
- Exchangeable embroidery heads.
- Ergonomic yarn rack.
- Integrated machine status indicator.
- Electronic-Presser-Foot Drive.
- Height adjustable Presser Foot.



**2020**  
stitches per  
minute

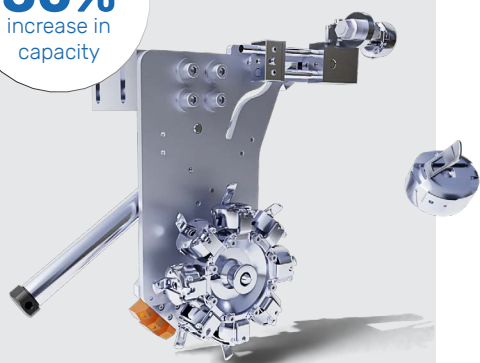




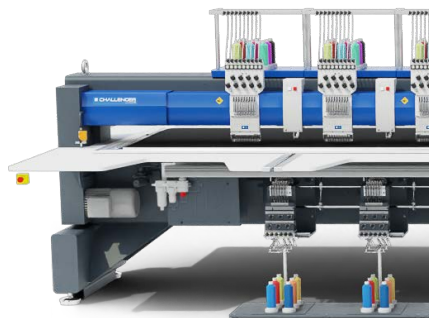
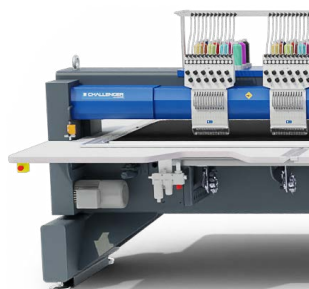
## CHALLENGER & FLAT SERIES

- Machines with 1-56 embroidery heads.
- 6, 9, 12 or 18 needles/colours per embroidery head.
- Combination machines for Chenille or Cording, Taping and Coiling.
- Optional Auto Select bobbin changer.
- Large capacity rotary hook (Jumbo) and suitable Auto Select bobbin changer for uncomparable up-time.
- **NEW** High performance drives (CHALLENGER II Series).

**50%**  
increase in  
capacity



Jumbo Auto Select bobbin changer

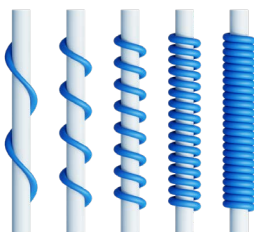




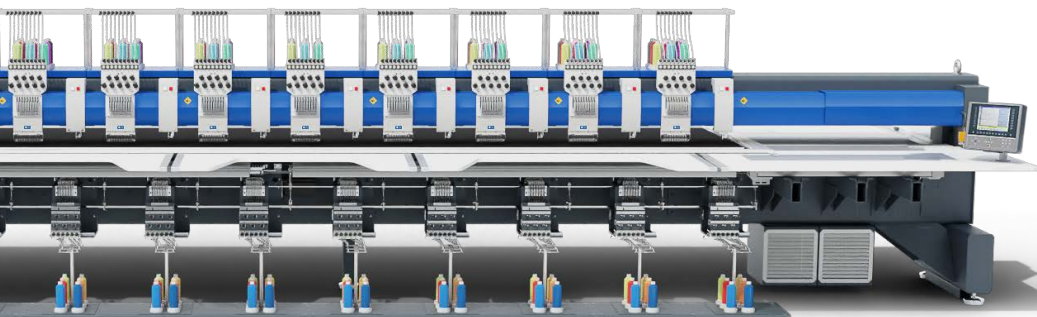
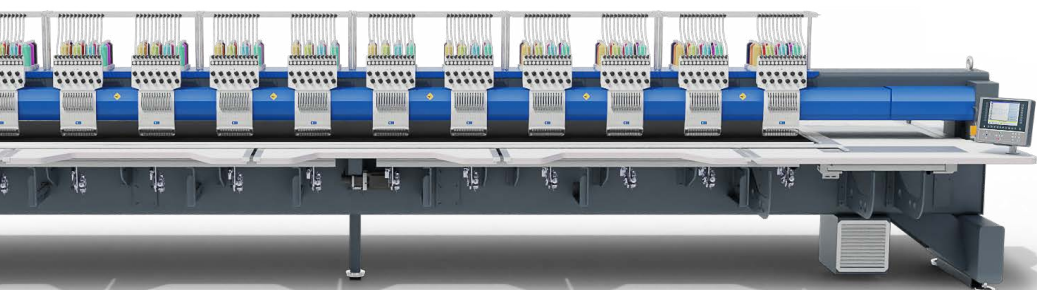
**ZSK**

### W-Head Catalog

Features and parameters



W-Head coiling parameters



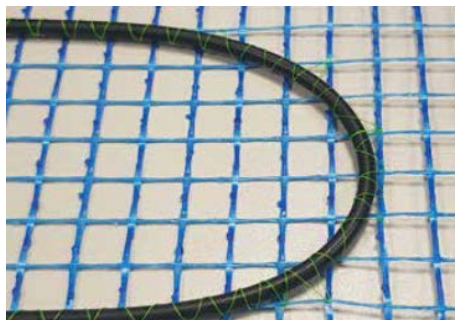


**3 m**

world's deepest  
laying field!

## TECHNICAL EMBROIDERY SYSTEMS

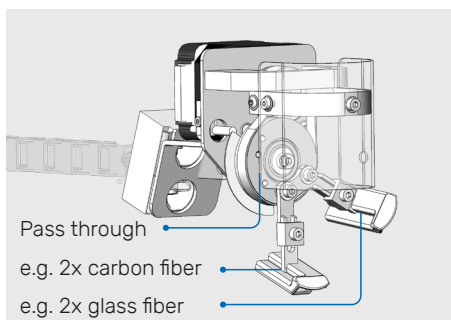
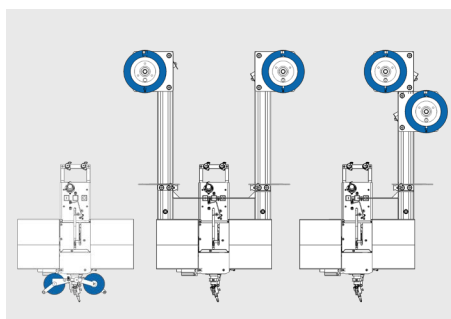
- Tailored Fiber Placement (TFP).
- Tailored Wire Placement (TWP).
- Tailored Tube Placement (TTP).
- Scalable manufacturing.
  - Up to 20 components simultaneously.
  - Up to 27 m<sup>2</sup> embroidery field.
  - Up to 3 m embroidery field depth.
- Fast fiber laying for large parts.
- High Volume TFP for high efficiency.
- Workflow Solutions.







- Active supply unit for tapes, wires or fibers.
- Up to four wire or fiber strands per head can be fed.
- Switching between media/fiber strands - laying them down either independently, either in parallel.
- Swiveling the laying feet, enables the pantograph to pass through. Technically a third foot can be attached to this position as well.
- Easy access to media rolls due to portal or pole creel.
- Automatic material cutter.
- **NEW** End of thread detection.





## PARTNER COMPOSITE MANUFACTURING

### UNWIND<sup>3D</sup>

- Sustainable composites manufacturing.

#### Step1:

Automated composite preforms lay-up via TFP technology (up to 3 meters preforms!).



#### Step2:

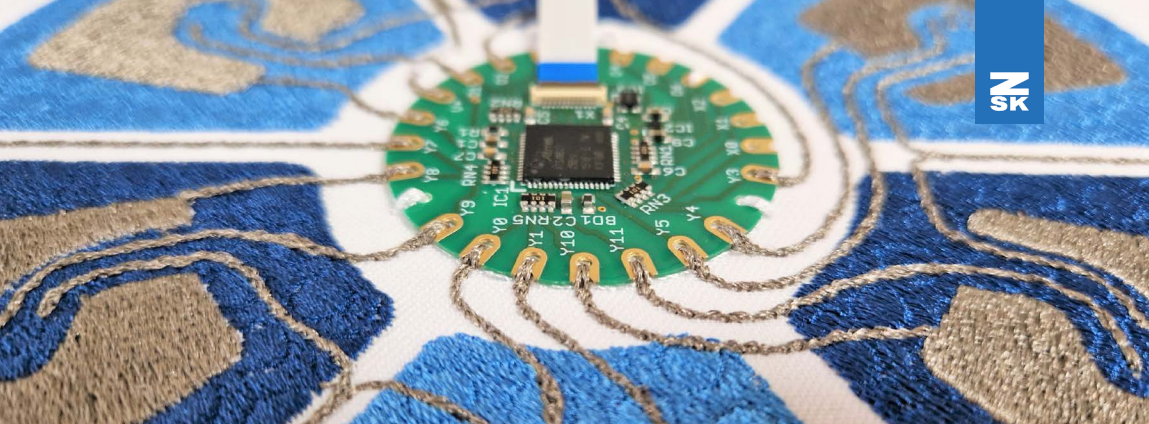
Compression molding of TFP composites preforms via ACP20.



Step 1



Step 2



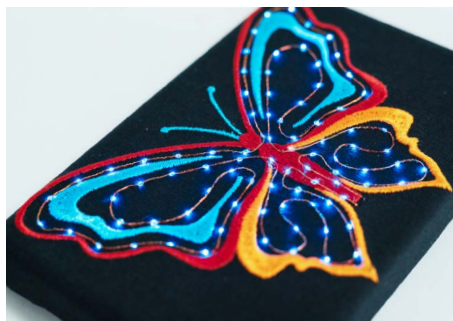
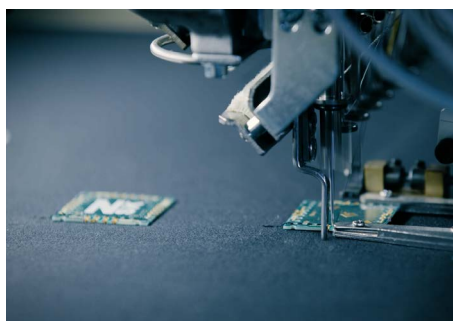
## PARTNER SMART TEXTILES



Our in-house engineering office  
for e-textiles and witness:

- Automated PCB placement device.
- Tailored laying of insulated heating ribbon.
- Functional smart and e-textiles.

Discover reliability, automation  
and scalability in the e-textiles  
production.

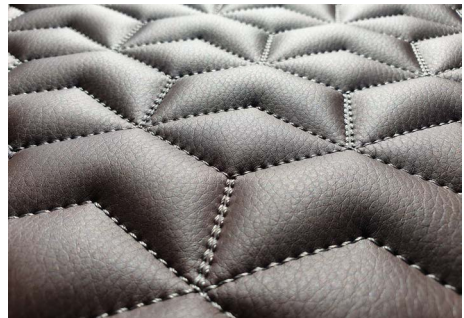
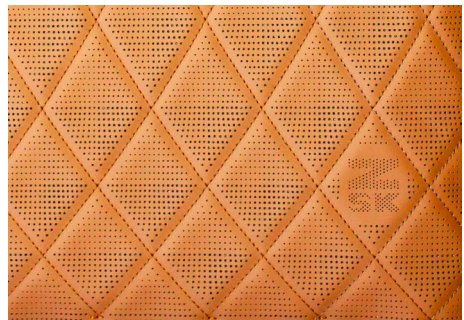
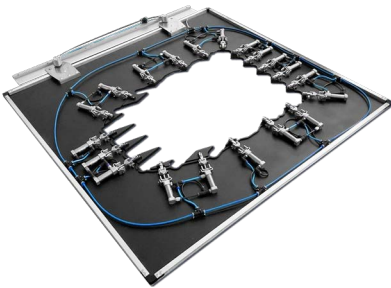


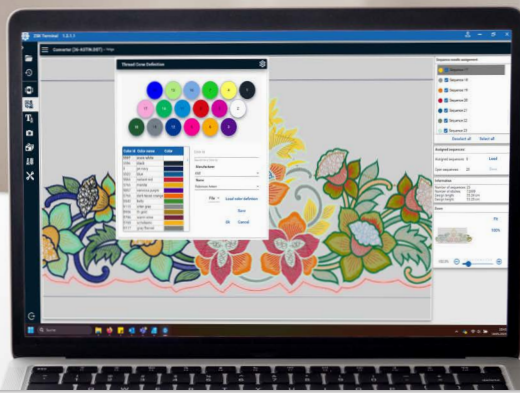




## AUTOMOTIVE EMBROIDERY

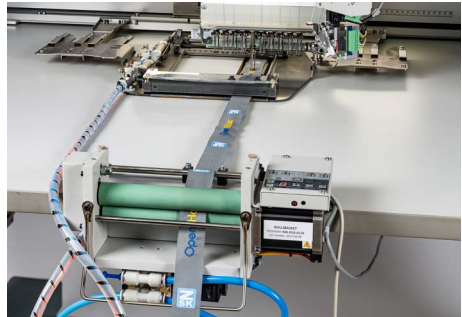
- Perfect seam-perforation alignment with OPS2 Camera System.
- Ergonomic laptop and T8 mount.
- Customized embroidery frame solutions for pre-cut parts.
- Save valuable time using pneumatic connection and clamping.





## AUTOMATE - WORKFLOW SOLUTIONS

- Fully- and Semi-automated workflow solutions: Roll2Roll, Roll2Basket or Roll2Cut.
- Fully automated Patch Solution on Velcro.
- Repeatable and fast hooping with the EPS HoopStation.
- ZSK Software Solutions, such as thread cone matching.



# Spare parts Accessories

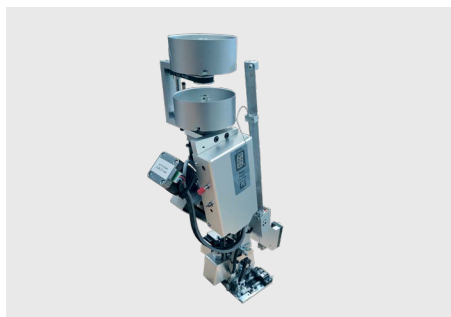
for ZSK embroidery machines



## ACCESSORIES

### • Devices:

- (Twin-) Bead Device.
- (Twin-) Sequin Device.
- Cording Device.
- Boring Device.
- Hot Air Cutter.
- Seit Laser Cutter.
- GMI Camera System.



### • Frames:

- Cap frame.
- Shirt collar frame.
- Shirt pocket frame.
- Sock frame.
- Shoe frame.
- Plastic & wooden frames.
- Mighty Hoops.



Purchasing original ZSK spare parts, frames, software, devices and much more 24/7.

ZSK Online Shop  
[parts.zsk.de](https://parts.zsk.de)







## DOWNLOADS

### General Catalog English



### Accessories Catalog English



### Technical Embroidery Systems Catalog English



### Embroidery and Sewing Interior Solutions Catalog English



### W-Head Parameters English



### K-Head Parameters English & German



### Model Comparison SPRINT English



### Model Comparison RACER English



### BasePac Catalog English



### EPCwin Catalog English





**THANK YOU FOR BEING WITH US!**  
**FEEL FREE TO CONTACT US.**

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 Web: [unwind3d.com](http://unwind3d.com)



#### **Representatives**

Discover the ZSK representative  
 closest to your location.

