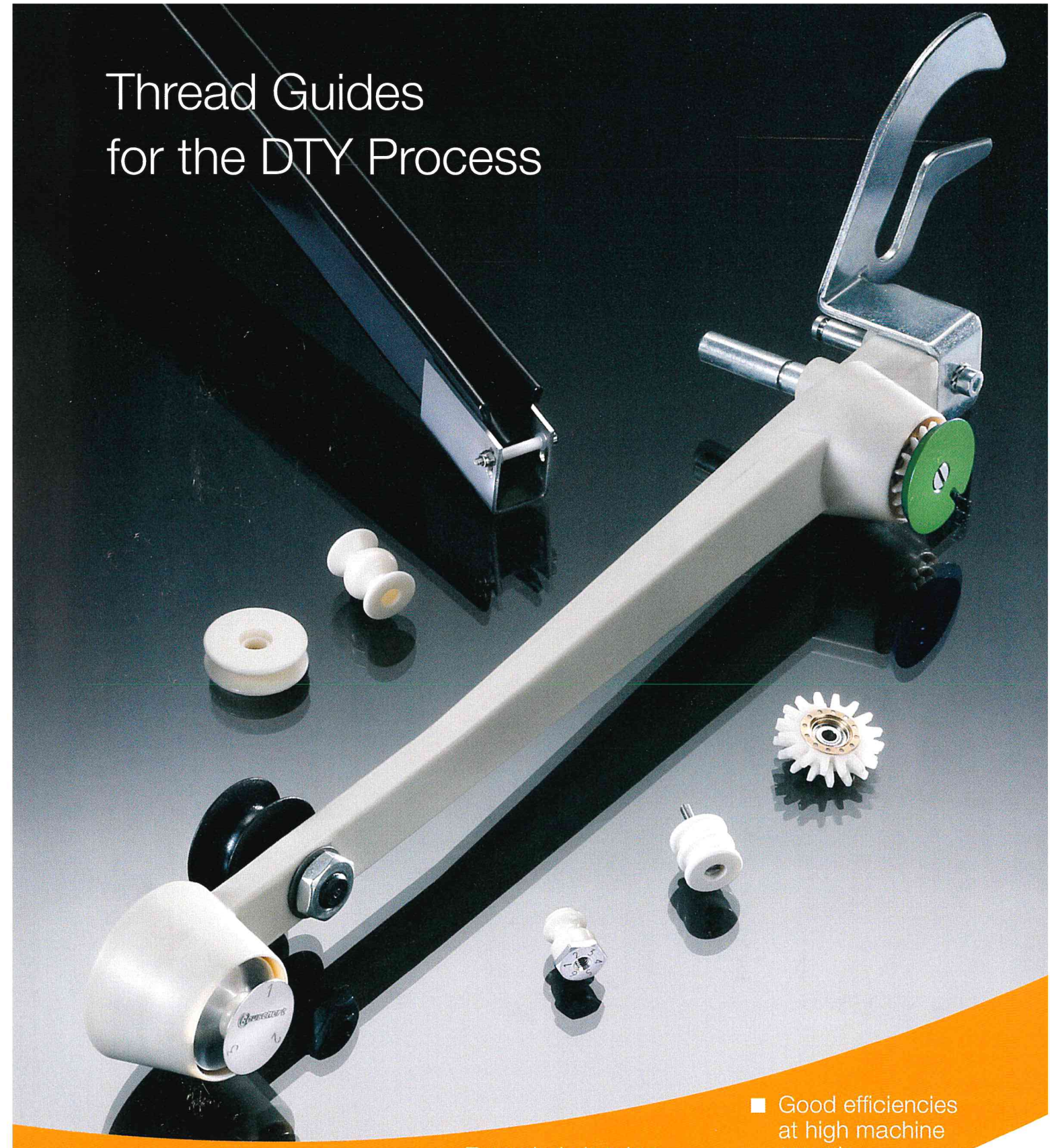
Thread Guides for the DTY Process



- Excellent yarn properties
- Superior DTY end-to-end uniformity (low CV's)
- Uniform dyeability
- Extended cleaning and maintenance cycles
- Longer life-time
- Good efficiencies at high machine speeds

TRADITION
PROGRESS
INNOVATION

www.rauschert.com

Rauschert

Thread Guides for the DTY Process

Entrance and exit guide of heater
390262/1P

Roller
390101P

Rotating roller guide
390362/1AZP/87071

Entrance roller guide of the spindle
390637/EK01020

Upper heater roller guide
390824P/87044
dto. but rotating with bearing
390821/1P/87097

Your contact

Rauschert
Heinersdorf-Pressig GmbH
Bahnhofstrasse 1
96329 Pressig
Germany
Phone +49 (0)9265-78-0
email info@prg.rauschert.de

Rauschert at a glance

Technical ceramics

Plastic molded parts

Ignition systems & heating elements

Energy & engineering

You can find more contacts and information about our products on our website:

www.rauschert.com

High-tech ceramics in DTY Process Engineering

All filament contacting ceramic components located in the twisting zone between delivery shaft W1 and W2 are mainly responsible for the performance level in terms of productivity, service life and DTY quality.

Considering the fact that pretty abrasive solution dyed yarns are becoming more and more important, especially in automotive application, „real good" ceramic components are badly needed. Our high grade RAPAL 300 Al_2O_3 ceramic material fulfills the demanding requirements in every respect.

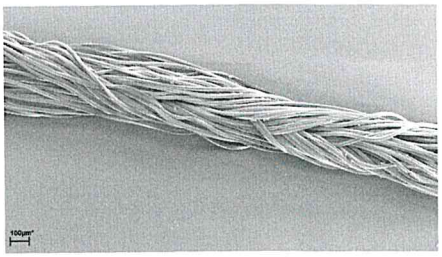
Rauschert completed its full range of DTY components extensively tested and proven in production environments.

The components in particular

- Completely redesigned TWIST STOP
- New designed upper heater roller guide with metal insert and press-fit assembly for removing friction heat because of better thermal conductivity
- Entrance and exit guide of the heater
- New designed entrance and exit guide of the cooling plate
- Entrance roller guide of the spindle with metal insert and press-fit assembly for removing friction heat because of better thermal conductivity
- Complete Spindle-Set
  – Entrance Disc
  – Working Disc
  – Exit (knife) Disc

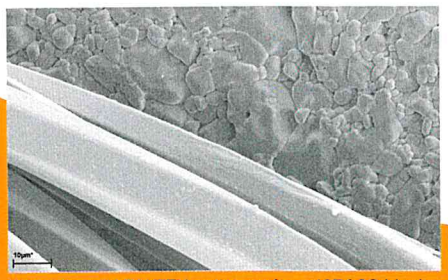
In regard to suitable surface engineering we differ

- PASSIVE SURFACE CHARACTERISTIC
  "Mirror like" surface offering the lowest possible friction coefficient to the high twisted filament bundle. Main task: Precise guiding without damaging the filaments at speeds up to 1000 m/Min.



Rauschert RAPALTEX passive surface 167 f 36 black

- ACTIVE SURFACE CHARACTERISTIC
  "Structured" surface main task: Inserting twist gently without generating "snow".
  Typical twist levels:
  PES 167 dtex appr. 2500 t/m
  PA 22 dtex appr. 5500 t/m



Rauschert RAPALTEX active surface 167 f 36 black

TRADITION
PROGRESS
INNOVATION

Rauschert