YOUR PARTNERS FOR TURN-KEY CARBON FIBER PLANTS

EISENMANN
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Trützschler Nonwovens & Man-Made Fibers GmbH
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Your Partners for Turn-Key Carbon Fiber Plants

**WHITE LINE**
- PAN Polymerization | Dope Preparation
- Solvent Recovery
- Spinning
- Pre Drawing | Washing | Drawing
- Drying
- Steaming | Sizing | Winding

**BLACK LINE**
- Unwinding
- Oxidation
- Carbonization
- Exhaust Air Purification
- Surface Treatment | Sizing | Winding

**EISENMANN**
- PAN Polymerization | Dope Preparation
- Solvent Recovery
- Spinning
- Pre Drawing | Washing | Drawing
- Drying
- Steaming | Sizing | Winding

**EPC GROUP**
The EPC Group together with its carbon fiber alliance partners provide the complete carbon fiber solution. EPC offers the process design and equipment delivery for PAN polymerization plants, dope preparation and solvent recovery as well as the complete design of carbon fiber production plants. EPC builds state-of-the-art systems to meet the worlds technical, economic and environmental challenges. EPC - Ideas Inside.

**Trützschler Nonwovens & Man-Made Fibers GmbH**
The Trützschler Nonwovens companies are leading suppliers of machinery and know-how for the production of nonwovens and man-made fibers. The brand name of TRÜTZSCHLER MAN-MADE FIBERS comprises complete state-of-the-art spinning plants for staple fibers, carpet and industrial filament yarn as well as equipment for PAN-based precursor and carbon fiber lines.

**EISENMANN Anlagenbau GmbH & Co.KG**
As a leading international supplier of systems for surface finishing, environmental engineering, material flow automation and high-temperature technology, we offer our customers a leading edge based on sophisticated plants, individual solutions and global service for carbon fiber production.

**Ruhstrat GmbH**
Ruhstrat produces since more than 100 years high temperature furnaces and furnace plants, which are in use worldwide. For many years a core competency of Ruhstrat is the construction of heat treatment plants for the carbonization and graphitization of yarns, felts, fleeces, bands, cloths, up to pipes and other parts. Ruhstrat delivers LT-, HF- and UHT-furnaces according to request with the corresponding sealing boxes, the measuring- and control station and the gas distribution station.

**YOUR ADVANTAGES**
- Reliable German technology supplied by the 4 partners
- Each partner is technology leader in its field
- Single contractors or turn-key solution
- Perfectly matching components
- One all-embracing process control system and user interface
- One overall project management
- Thorough interface management within the Alliance
- Eco-friendly production due to an optimized energy concept