## **Products**

## Forging and Handling Technology

- Forging Manipulators
- Transport Manipulators
- Tool Manipulators
- Ingot Transport Cars
- Turntables
- Tool Changing Devices
- Handling Machines
- Heavy-Load Robots

### **Technology for Ferro-Alloy Plants**

- Charging Machines
- Stoking and Distributing Machines
- Measuring Technology

#### **Skimming Technology**

- Skimming Machines
- Ladle Tilters

#### Filter Technology

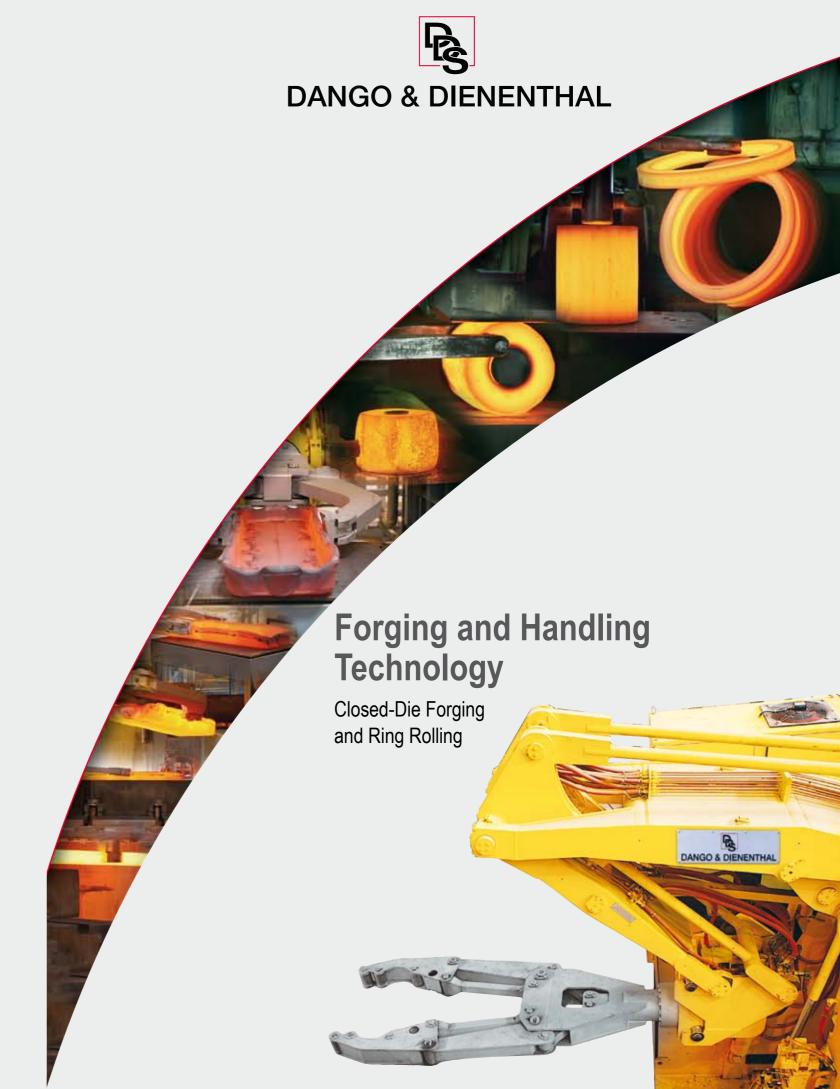
- Filter Automats
- Combi Filters
- Multicartridge Filters
- Separators

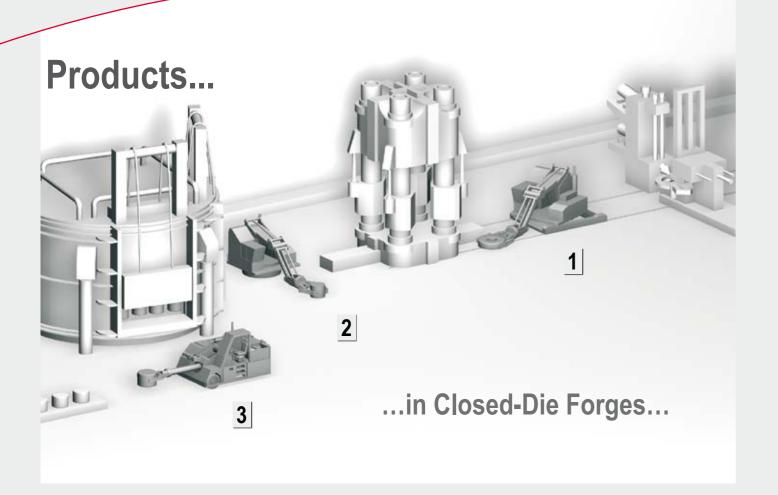
#### **Manufacturing Technology**

- TMT Tapping Machinery
- TMT Measuring Equipment
- Other Special Equipment









- 1 Rail-bound Transport Manipulator
- 2 Stationary Transport Manipulator
- 3 Mobile Transport Manipulator

For decades now DANGO & DIENENTHAL has been one of the market leaders for heavy-duty robots and transport manipulators for closed-die forges and ring rolling mills.

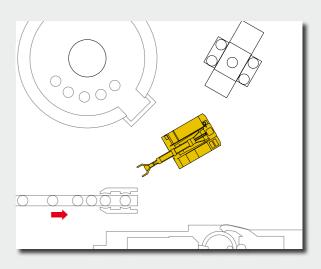
A great number of challenging reference units worldwide underlines this prominent position.

The experts of DANGO & DIENENTHAL gladly advise all users regarding choice of machine type and size.

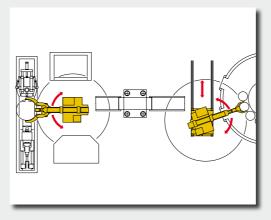
# ...as flexible solution

Mobile transport manipulators are suitable for the precise handling of small to very large or heavy ingots, rings, and disks while forging. Also they can be used for transporting the work pieces between furnaces and forming units.

In most cases the machines are equipped with a diesel drive, but alternatively they can also be supplied with electrohydraulic drive systems. Due to the very compact design, transport manipulators made by DANGO & DIENENTHAL may be used even in confined areas.



# ...as integrated solution



Rail-bound transport manipulators can be solely controlled by the press or ring mill operator, but they can also be equipped with an operator's cabin on the machine. The manipulator's control system is responsible for the integration with the other units of the plant thus providing short transportation times combined with utmost handling precision.

## ...as automatic solution

This is the 'Art of Integration': Once set, process- and manufacturing sequences can proceed fully automatically considering individually programmed safety features and locking devices as well as an adequate infrastructure.

