

*Some like it hot...*



Schenk Stahl GmbH

## Specialist for heat resistant tubes

Anyone talking about heat resistant materials in many different shapes and forms, means Schenk. Because it is well known that Schenk Stahl GmbH can supply, with very short delivery times, whenever it is a question of meeting requirements for anything to do with heat resistance. In this respect, the company can rely on its employees, who have more than 40 years experience in the stainless steel tube industry.

**F**or the past twenty years, Schenk Stahl has concentrated exclusively on the sector of highly heat resistant grades and super alloys.

In 1990, Schenk Stahl moved into a warehouse in the Düsseldorf area, where it started by holding stocks of ferritic and austenitic tubes and pipes. This stock program-

me was extended some 10 years ago to include nickel base alloys.

The Schenk Stahl GmbH team around Peter and Frederic Schenk also supplies customers with heat resistant products in the following delivery forms:

- tubes and pipes



duct range were significantly expanded. In future, it is Schenk's intention to cover the whole spectrum of products associated with heat resisting tubes - and this will include a certain degree of further processing. And a remarkable degree of success has been achieved in the first phase of this expansion project - the divisions "Tube Accessories" and "Niro" are already operating at a high level of efficiency.

### *Heat resisting - a complete range from a single source!*

In addition - practically side by side - is the "Stainless" division. Without its own warehouse, but with the closest contacts to manufacturers and suppliers, Schenk is in a position to meet almost any customer re-

- fittings
- bars
- sheets

This specialist for heat resisting materials founded two new divisions at the end of 2007, the division "Niro-Tubes" and the division "Tube Accessories".

Especially during the course of last year, Schenk took another significant step in the direction of customers. Firstly, the company strengthened its personnel, and above all placed distribution on a broader basis - and secondly, the warehouse and the pro-



quirement. In the final analysis, here also, however, the company above all wants to be one thing: a supplier of specialities. This is reflected not least in the materials cited as of prime importance for this division:

1.4462  
1.4509  
1.4512  
1.4539  
1.4541 H/1.4878  
1.4550/H  
1.4563  
1.4571

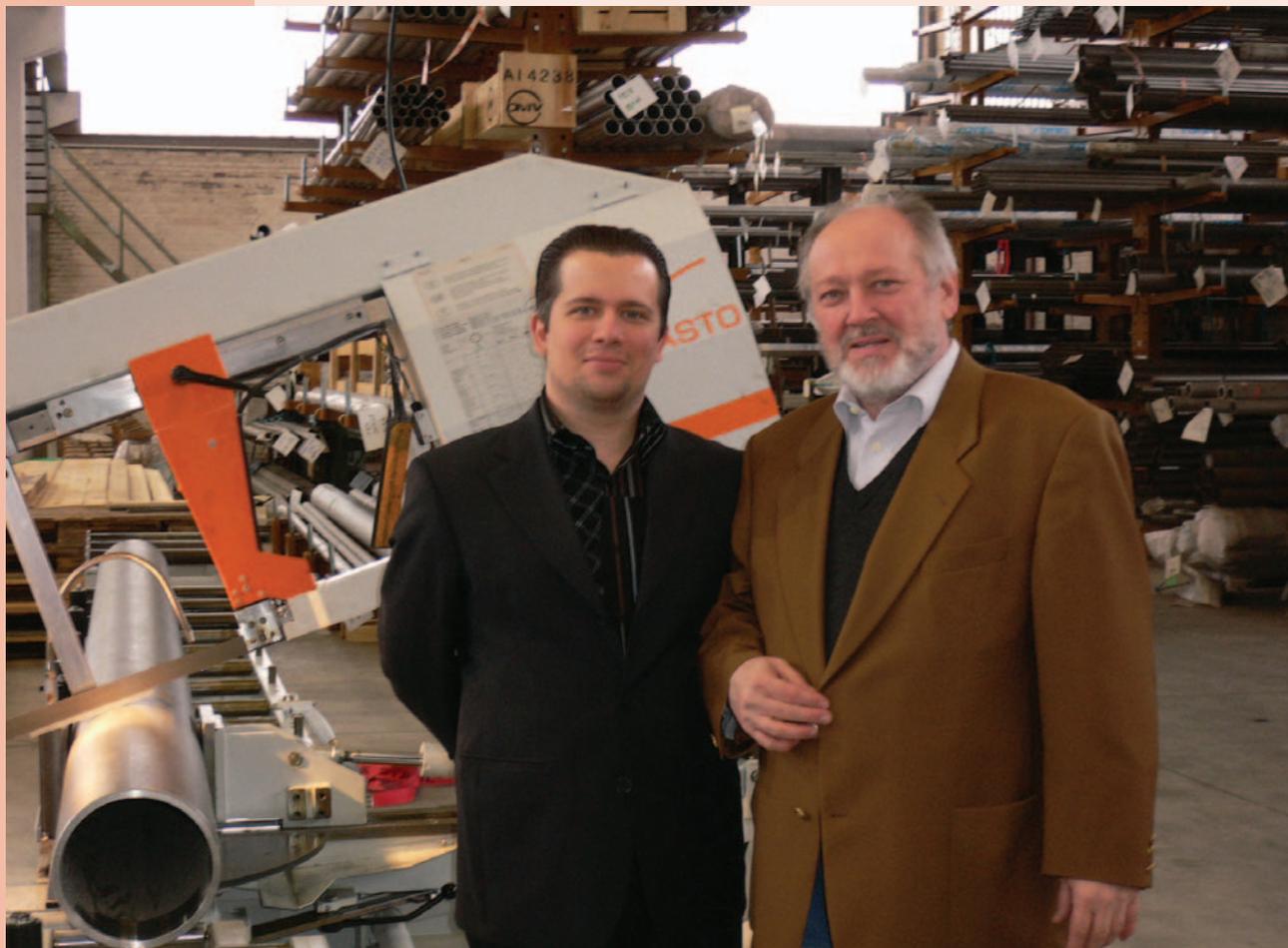
Up until now, in the stainless area, only tubes in grade 1.4512 and the dual certified 1.4541 H/1.4878 are held in stock by the specialist from Neuss.

Particularly thin walled tubes are held in stock by Schenk in grade 1.4512, whereas, in contrast, with grade 1.4541 H/1.4878 tubes, the emphasis lies on particularly heavy walled tubes.



The stock range of this Düsseldorf based company comprises in detail: ferritic, austenitic and nickel base alloy tubes in the dimensional range 6.00mm up to 406.4mm in grades:

1.4762 TP 446  
1.4749 TP 446  
1.4742 TP 430  
1.4724 TP 405  
1.4720 TP 409  
1.4713





1.4762, 1.4828, 1.4841, as well as in a number of nickel alloy grades.

### **More delivery forms - more grades - bigger quantities**

Schenk also, and in particular, takes into account the latest developments in the area of grades. 1.4713, for example, explains Frederic Schenk, is today hardly produced in significant quantities as seamless tube. Alternative materials are supplied by the company at short notice, including, in stock:

1.4720  
1.4749

Another recent addition to the product programme: Alloy C4, an alloy which is used above all in the chemical process industry. Begun only in the middle of last year, from the point of view of the company, an extremely positive trend is also already apparent here. The same is true for the material grades Alloy 600 and 601.

Often the company also provides technical advice, because the final user is unaware of any alternatives, or does not change to another material because of a lack of experience.

At Schenk Stahl, one of the greatest strengths is above all the ability to ensure quick and reliable delivery. Combined with the knowhow acquired over many years, this makes Schenk Stahl an unbeatable partner

1.4878 TP 321H  
1.4877 Typ 32/27  
1.4876 Alloy 800/H  
1.4864 TP 330  
1.4845 TP 310S  
1.4841 TP 314  
1.4835 253 MA  
1.4828 TP 309  
1.4821 TP 327

2.4858 Alloy 825  
2.4856 Alloy 625  
2.4851 Alloy 601  
2.4816 Alloy 600

Elbows, tees and reducers are available in the size range 21.3 x 2.6 to 219.1 x 10mm.

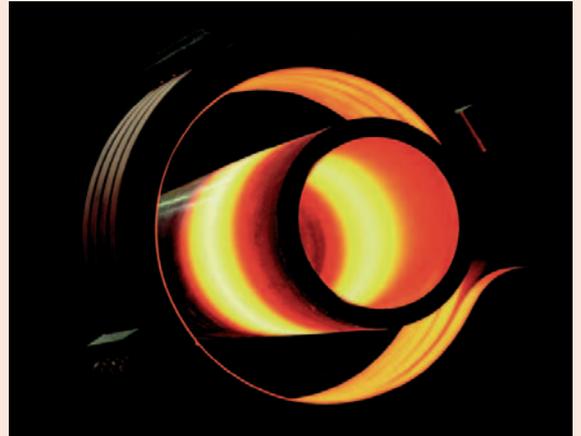
In the course of extending its product range, Schenk has also significantly expanded its warehouse; with respect both to tonnage, and to the range of grades and product forms held in stock. The company therefore now also stocks bar in grades 1.4713,



in the area of highly heat resistant materials.

The areas of application of the materials supplied by Schenk Stahl are wide ranging. They are used in temperatures from 550 up to 1,200°C, for example:

- in the wire industry as annealing tubes,
- for furnaces as lance or burner tubes,
- in industrial furnace construction, for example as annealing and muffle tubes,
- in air preheaters and recuperators,
- in steel production,
- in glass, gypsum, and aluminium production,
- in blast furnaces, sinter plants and melting facilities,
- in the petrochemical sector as crack tubes and pigtails,
- in the chemical industry for high temperature applications,



- as protective tubes for pyrometers,
- in power stations,
- in rolling mills as furnace tubes and roller conveyor tubes,
- in plant construction as heat exchanger tubes for high temperatures,
- in measuring and control technology, as well as
- heating conductor tubes.



The succession at Schenk Stahl is already in safe hands, since father and son (Frederic Schenk) have been running the company together since 2002.

The company has many plans and is already working hard, together with the whole team, on new opportunities that are arising to further extend and continually improve the product range and service for its business partners.