



**A global Provider of Integrated
High-temperature Alloy Solutions for
Industrial Furnaces**



Qingdao NPA Industry Co., Ltd.

Integrity | Responsibility | Harmony | Improvement

| COMPANY PROFILE >>

Qingdao NPA Industry Co., Ltd. was established in 2011 by shareholders with over 30 years experience in heat resistant industry. It mainly produces heat-resistant NiCr alloy products with an operating temperature up to 1250°C for steel, glass and petrochemical industries. With over 750 employees and 190,000 sqm plant area, the production capacity can reach 30,000 tons/year. NPA supplies products to customers all over the world with international certifications and 260 registered patents.

| NPA MAINLY PRODUCES >>

Heat-resistant centrifugally casted NiCr alloy products(up to 1250°C) for steel, glass and petrochemical industries as listed below:

01



Radiant Tubes

02



Furnace Rolls

03



DRI Tubes

04



Combustion Systems

05



Glass Rolls

06



Cracking furnace coils

07



Reformer tubes

Steel Industry

- Furnace roller
- Radiant tube
- DRI reformer tube
- Combustion system/burner

Petrochemical

- Cracking furnace
- Reformer tube
- Tube sheets

Glass Industry

- Lift-out roller
- Lehr roller (Steel roller)
- Metal donut rollers (Steel ring rollers)
- Composite/resin ring roller
- Tenmat Asbestos-free FF800 roller

| 01. Radiant Tubes >>

- Working condition: 500-1250°C
- Wall thickness:
Cast radiant tubes: 6-10mm
Welded radiant tubes: 3mm
- (Pipe section) length: ≤ 4000mm
- Outer diameter: 100-300mm
- Service life: 3-5 years



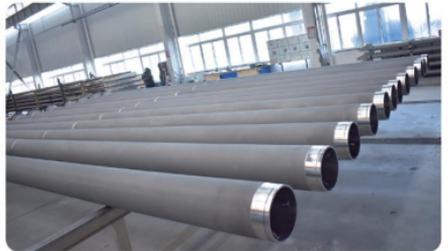
| 02. Furnace Rolls >>

- Working condition: 500-1250°C
- Wall thickness: 10-60mm
- Service life: 3-5 years
- Outer diameter: 70-2000mm
- (Roll body) length: 1600-8000mm



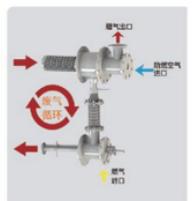
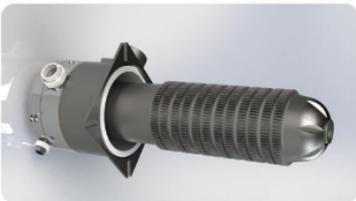
| 03.DRI tubes>>

- Working condition: 800-1200°C, operating pressure 0.5-2MPa
- Outer diameter: 90-300mm
- (Pipe section) length: ≤6400mm
- Inner wall finish: $Ra \leq 3.2 \mu m$ (internal control $1.6 \mu m$)
- Bayberry particle layer: $\leq 0.8mm$
- Service life: 8 years



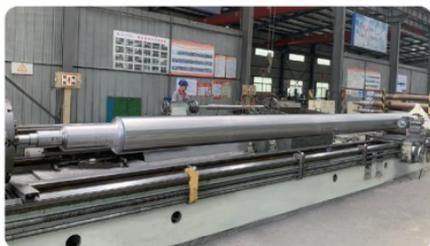
| 04. Combustion systems >>

As an integrated solutions provider in the combustion field, NPA focuses on industrial combustion and thermal energy system solutions. The combustion system can meet the requirements of various operating conditions customized by customers; There are advanced technological reserves in the fields of low nitrogen, low-carbon, and energy-saving combustion control technology.



| 05. Glass Rolls»

- Working conditions: 260-800°C
- Surface finish: $R_a < 0.2 \mu\text{m}$
- Roll surface length: 1600-8000mm
- Service life: 3-5 years



| 06. Cracking furnace coils»

- Working condition: 850-1050°C (max1100°C)
- Outer diameter: 50-200mm
- (Pipe section) length: $\leq 6400\text{mm}$
- Inner wall finish: $R_a \leq 3.2 \mu\text{m}$ (internal control 1.6 μm)
- Bayberry particle layer: $\leq 0.8\text{mm}$
- Service life: 8 years



| 07. Reformer tubes »

- Working condition: 800-980°C, operating pressure 2.5-3.5MPa
- Outer diameter: 100-300mm
- (Pipe section) length: $\leq 6400\text{mm}$
- Inner wall finish: $R_a \leq 3.2 \mu\text{m}$ (internal control 1.6 μm)
- Bayberry particle layer: $\leq 0.8\text{mm}$
- Service life: > 15 years





NPA is located at beautiful and cool eastern coastal city-Qingdao, you are welcome to visit our company both in person or virtually(we will send the link to you against your request) to check our advanced equipment and capabilities:

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