



CNG Cylinder Seraj khoy Co.

(Manufacturer of Industrial, Medical and CNG cylinders)

شرکت (CNG) سیلندر سراج خوی

با توسعه صنعت تولید و افزایش تقاضا در زمینه سوخت سبز، کارخانه CNG سیلندر سراج خوی جهت تأمین بخشی از نیازهای کشور با هدف تولید سیلندره های اکسیژن از سال ۱۳۸۸ فعالیت و احداث خط تولید خود را آغاز کرد.

فاز اول کارخانه در بهمن سال ۱۳۹۵ با تولید سالانه ۱۲۰۰۰۰ عدد سیلندرهای طبی و صنعتی با حجمهای ۲۰ تا ۱۲۰ لیتری افتتاح شد.

تمامی محصولات کارخانه بر اساس استانداردهای ملی (isiri 7909) و بین المللی (iso 9809) با همکاری شرکت پازرسی داخلی و بین المللی، تحت نظارت موسسه ملی استاندارد ایران تولید می گردد.

فاز دوم نیز در سال ۱۳۹۶ با ظرفیت تولید سالانه ۱۳۰۰۰۰ سیلندر CNG در حجمهای ۳۰ تا ۱۸۰ لیتری بر اساس استانداردهای ملی (isiri 7598) و بین المللی (iso 11439) (ECE R110) راه اندازی شد.

CNG Cylinder Seraj khoy Co.

With the development of the manufacturing industry and increasing demand for green house gases, the CNG Cylinder Seraj Khoy factory started to operate and build its own line of production in order to supply part of the country 's needs for the production of oxygen cylinders since 2009.

The first phase of the factory was opened in February 2016 with an annual production of 120000 medical and industrial cylinders with volumes of 20 to 130 liters.

All products of the factory are manufactured according to national standards (ISIRI 7909) and international standard (ISO 9809) , in cooperation with the internal and international company, under the supervision of the National Institute of Standards of Iran.

The Second phase was launched in 2017 with the capacity of producing 130000 CNG cylinders annually in volumes from 30 to 180 liters in accordance with national standards (ISIRI 7598) and international standards (ISO 11439),(ECE R110).



QC LABORATORY

The Laboratory of CNG Cylinder Seraj Khoy Co. in order to improve and guarantee the quality of its products , have manufactured its products with the certificate of competence of the partner laboratory by the Bureau of Standards and Industrial Research of Iran, as well as possession of the most advanced equipment and experienced personnel, all stages and processes of production of cylinder is inspected and tested from raw materials (seamless pipe) to the delivery of the cylinder by the customer.

In this regard, the following tests are performed on the production tanks:

- 1- Impact test
- 2- Burst test
- 3- Bullet penetration test
- 4- Pressure cycling test
- 5- Hardness test

- 6- Hydrostatic test
- 7- Tensile test – Bending test
- 8- Exposure test
- 9- Leakage test before failure of CNG tank
- 10- MT test and etc.



The company's manufactured cylinders are Internationally recognized steel, Carbon steel 37Mn and Carbon steel molybdenum 34CrMo, which are produced in different capacities depending on the customer's requirements. Working pressure at 15 °C for industrial and medical manganese carbon is 150

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دستگاه (BURST) آزمون ترکیدن مخزن ◀
(ECE R110 - iso 11439 - isiri 7598)

Burst test Machine

(ECE R110 – ISO 11439 – ISIRI 7598)

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Equipped laboratory with national and international criterias..... Ulusal ve uluslararası kiriterlere uygun donatılmış laboratuar



Brinell Hardness test Machine

(Hardness test)

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Exposure Test

Maruz kalma testi yanginu



Impact test



Product name: industrial cylinder

Used raw material : 37 Mn – 34 CrMo4

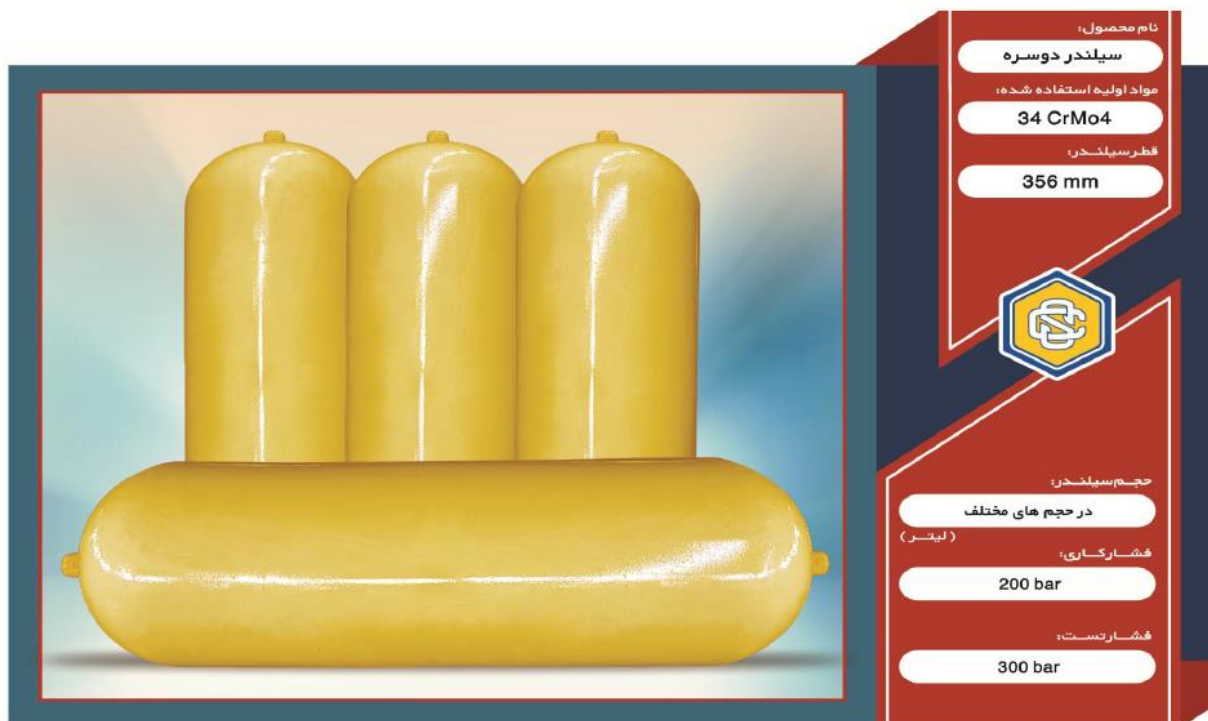
Cylinder diameter : 232mm

Cylinder capacity: 20-25-30-35-40-45-50-55-60 (liter)

Work pressure : 150 bar – 250 bar

Test pressure : 200 bar – 300 bar

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Product name: 2 heads cylinder

Used raw material : 34 CrMo4

Cylinder diameter : 356mm

Cylinder capacity: in different volumes

Work pressure : 200 bar

Test pressure : 300 bar



Product name: medical cylinder

Used raw material : 37 Mn

Cylinder diameter : 232mm

Cylinder capacity: 20-25-.....60 (liter)

Work pressure :150 bar

Test pressure : 250bar

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Product name:fire extinguisher cylinder

Used raw material : 37 Mn

Cylinder diameter : 232mm

Cylinder capacity: 20-25-30-35-40 (liter)

Work pressure :150 bar

Test pressure : 250bar

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Product name: Reservoir cylinder

Used raw material : 34CrMo4

Cylinder diameter: 267mm

Cylinder capacity: 70-75-60 (liter)

Work pressure :275 bar

Test pressure : 412bar

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Product name: Car CNG cylinder

Used raw material : 34CrMo4

Cylinder diameter : 356mm

Cylinder capacity: 62-68-75-77-82-90-105-113 (liter)

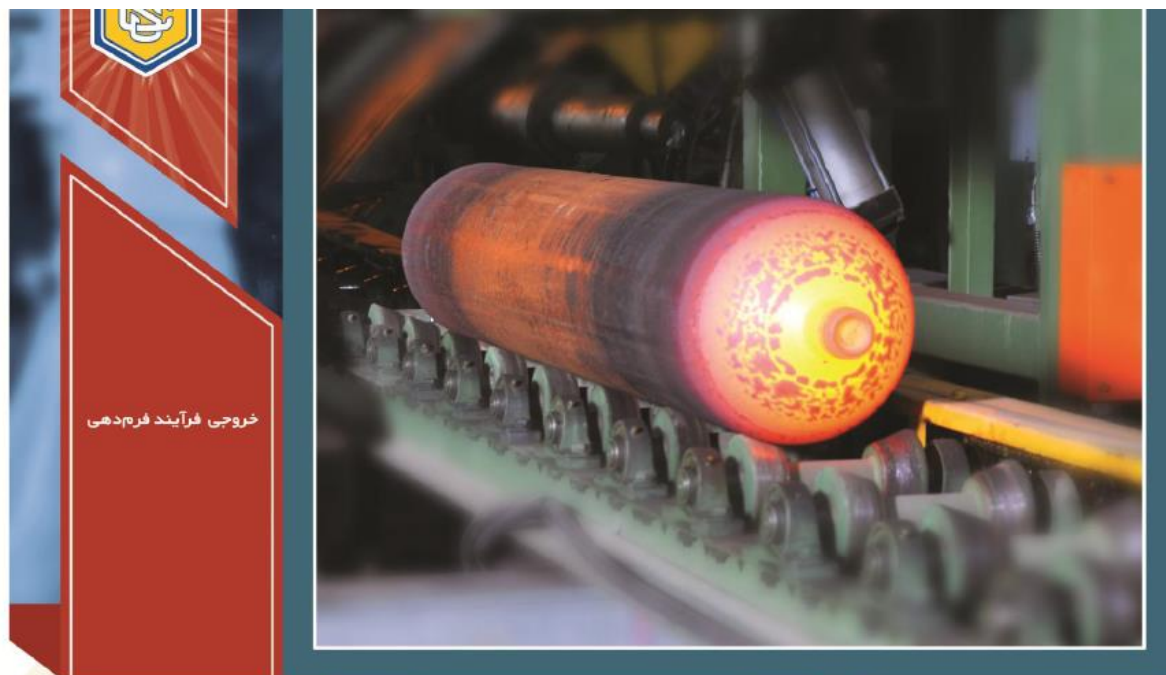
Work pressure :200 bar

Test pressure : 300bar

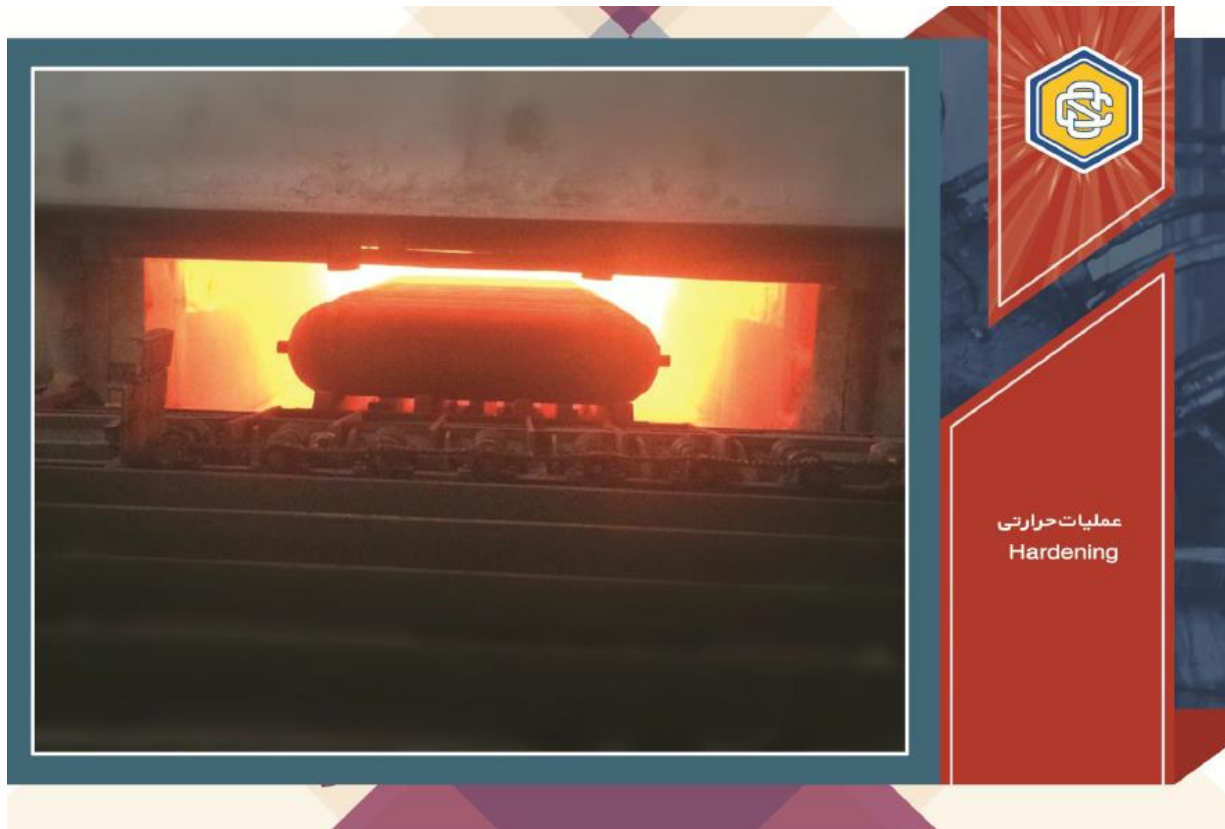
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Forming process in way of spinning



Result of forming process



Heat treatment (hardening)



Quenching process



Tempering process



Neck threading process



آزمون هیدرواستاتیک



Hydrostatic test

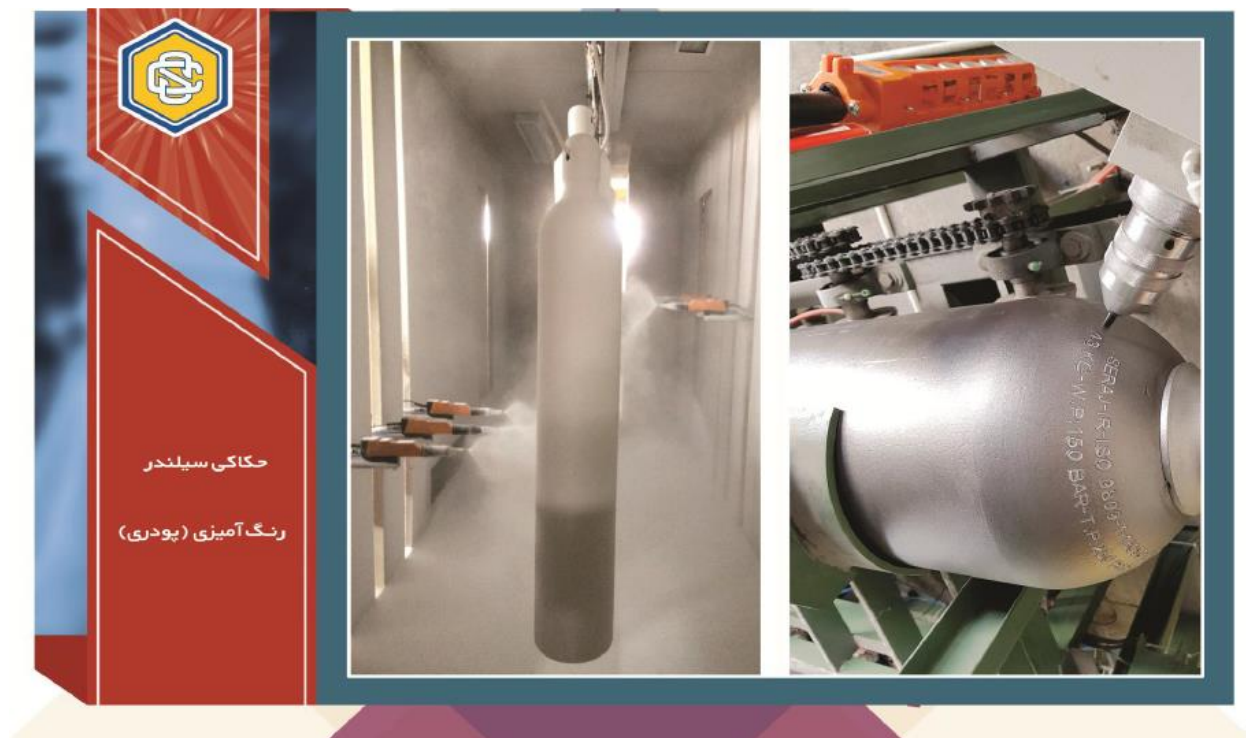


دستگاه سند بلاست
خارجی سیلندر

دستگاه سند بلاست
داخلی سیلندر

- 1- External shot blast
- 2- Internal shot blast

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Engraving on cylinder

Painting (powder)

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