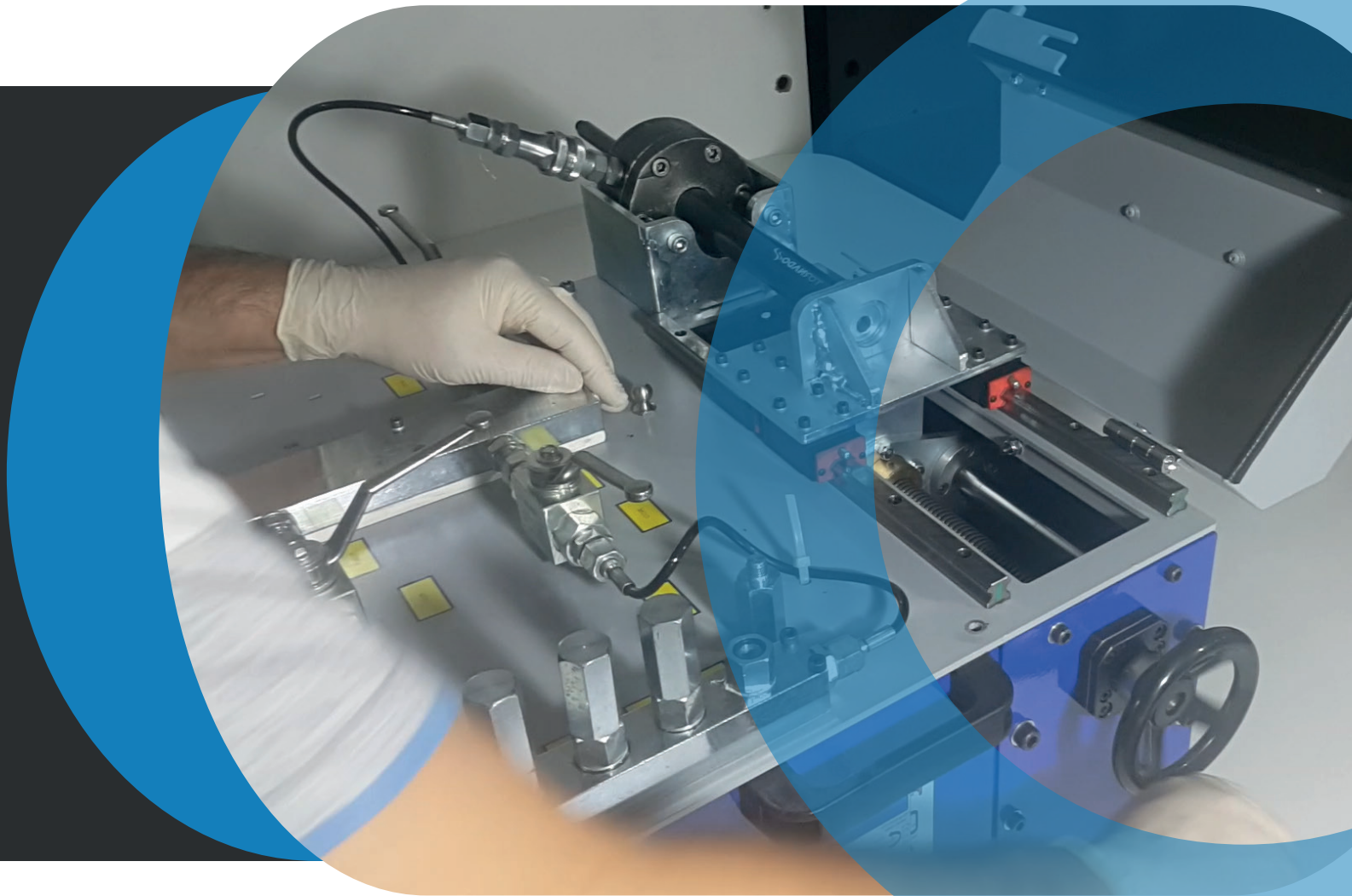




TORNADO

— Your one stop source



PORTABLE GAS FILLING MACHINES (ALZ-205)

Gas Spring Manufacturing
Machines Line 2020

WWW.TORNADOGASSPRINGS.COM



Nitrogen Gas Charging Machine solutions allow companies to take control of producing gas springs with force required for the customers' application to be used and reduce their stock costs and increase service quality considerably.

The Mini Portable Nitrogen Gas Filling Machine offers you the opportunity to fill gas springs on location or outside, servicing points. The refilling kit is equipped with all the parts you need to fill gas .springs.

Very precise filling of the gas springs is possible using the digital manometer. The table for determining the filling pressure of the gas springs is included with the machine. The only thing you need is the nitrogen filling tube.

Portable Gas Charging Machine solutions from Tornado

Over the years, Tornado Gas Springs has evolved into a complete solutions provider, offering system solutions for gas charging or filling machines as well as different type of gas springs, end fittings and mechanisms.

The development and production of ALZ-205I is handled exclusively within our company. This approach makes it possible for us to adapt the machine to your specific preferences.

The device was designed with our storage service customers in mind. It offers high flexibility and service potential. Being able to fill gas springs individually and according to their application reduces the variety of springs in storage and by extension the required storage space.

ALZ-205 is a machine that makes it possible to fill gas springs with great precision from front sealing or from tube end or rod end adjustable pressure valve.

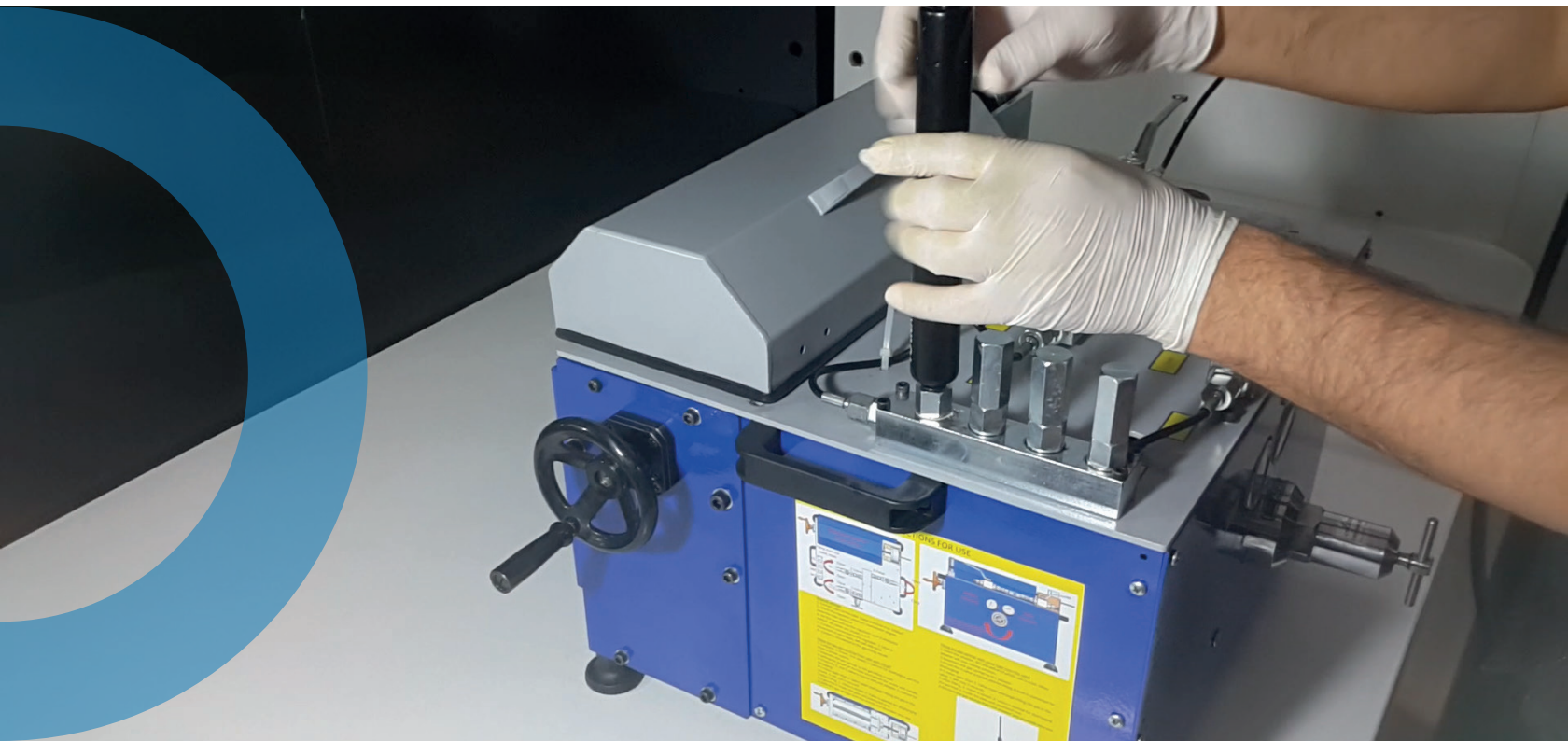
Various Valve systems gives you the flexibility to increase or decrease the pressure within its operating range when you need.

The gas spring is filled through an orifice in the threaded rod on the cylinder side. By means of a special type valve the pressure is maintained. Releasing pressure is possible by pressing lightly on the pin in

the special valve.

THE DEDICATED, COST EFFECTIVE SOLUTION AND FLEXIBILITY TO DESIGN TO SPECIFIC REQUIREMENTS

Tornado offers an ideal solution to this requirement with a comprehensive range of cost effective nitrogen gas charging systems, that enable users to produce their total demand for gas springs with required force, on their premises, under their complete control.



ADVANTAGES

THE SYSTEMS ELIMINATE NEED FOR TRANSPORTATION AND STORAGE OF SO MANY DIFFERENT GAS SPRINGS THAT HAS VARIED FORCES FROM SUPPLIERS.

- Portable to any-where you need
- No need electricity or air compressor
- Usable on desk and ideal for quality and R&D departments
- Excellent for service staff
- Saving cost, time and effort
- Stock saving (giving ability to fill gas in house)
- Quick and Easy
- Applicable to Gas Springs that has adjustable gas pressure valve from inside of tube thread and nitrogen gas can be fillable through that valve
- Applicable to all type of Gas Springs that nitrogen gas can be fillable from front sealing.
- Applicable to "Common known Compression Gas Springs"
- Applicable to "Tension Gas Springs"
- Applicable to "Blockable Gas Springs"
- Applicable to (Rod-mm/ Tube-mm) 6/15/18/19, 8/18/19/22, 10/21/22/23/27/28, 14/27/28/40/42, 20/40/42, 25/55, 30/60
- Capacity Per Day (without valve): 1.000 Pcs (Used the same type of gas spring for calculation)
- Capacity Per Day (with valve): 1.500 Pcs (Used the same type of gas spring for calculation)
- Standard gas springs and TVLF type valve fitted gas springs can be filled gas on the same platform

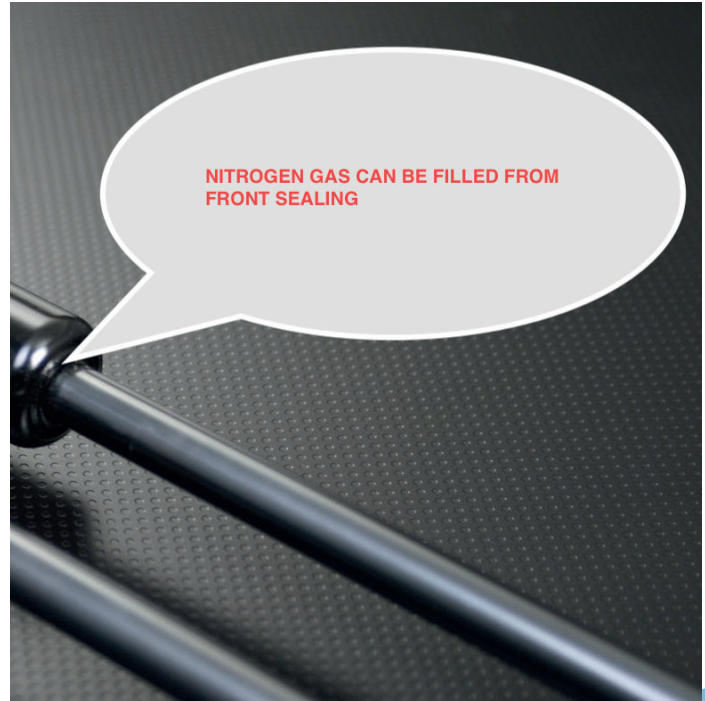
We have industrial type gas filling machine options as well. Please don't hesitate to contact to our sales department to have more information about portable gas filling machine and industrial type gas filling machines.



Charging gas from front sealing and adjustable pressure valve



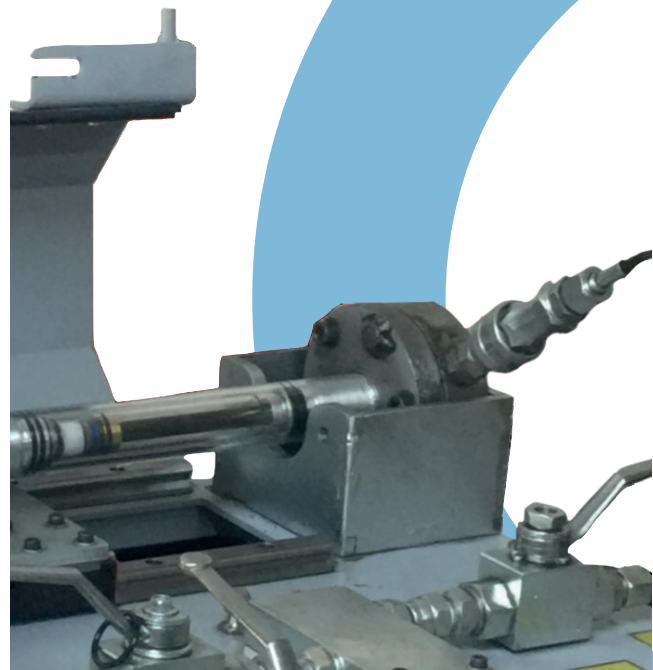
Nitrogen Gas filling from tube side Valve



Nitrogen Gas filling from front Sealing

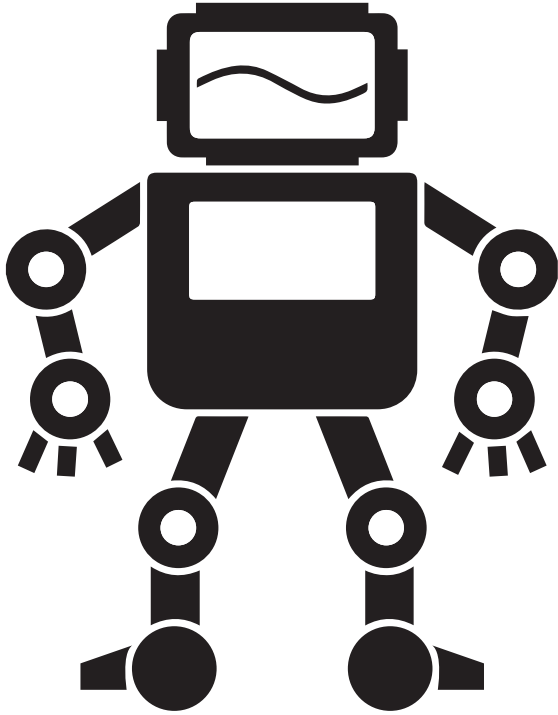


Nitrogen Gas filling from tube side Valve

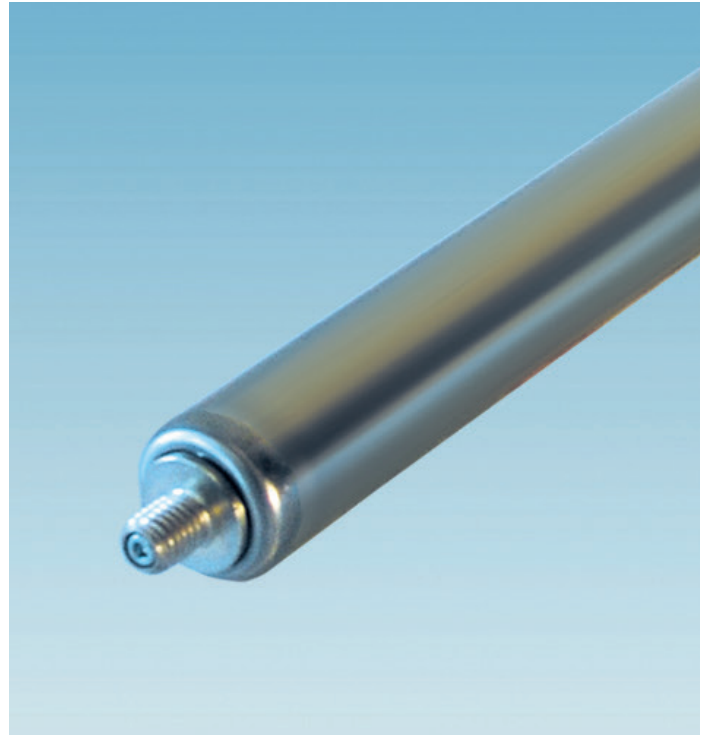


Nitrogen Gas filling from front Sealing

OPTIONS



**Automatic Control
Adjustments with
Electricity**



**Only Gas Charging Kit from
tube or rod end valve**



**Availability of Nitrogen Gas
Filling to Welded Eye Gas
Springs**



**Nitrogen Gas filling to multiple
gas springs ant the same time**



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