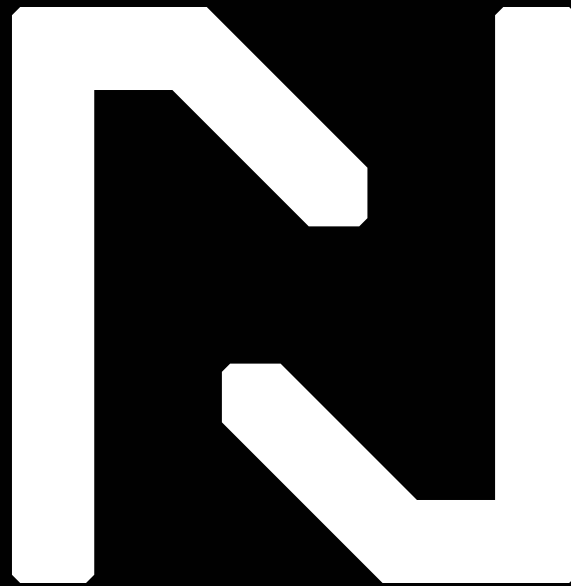




**NITRIDING TURNKEY
SYSTEMS**

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**MASTERING STRENGTH.
WORLDWIDE.**



A WORD FROM

THE PRESIDENT OF GLOBAL NITREX TURNKEY SYSTEMS

NITREX embodies the company I've long aspired to lead. From my early work in nitriding science to my career in vacuum and hydrogen retort furnaces, my journey closely aligns with NITREX's vision as a global leader in technology and processing expertise. Today, it is my honor to head the furnaces and equipment division.

At NITREX, our commitment to innovation and heat treating sciences allows us to meet the evolving needs of manufacturers. Our many processing experts assist customers in selecting the appropriate cutting-edge heat treating technologies and solutions that optimize performance while meeting the latest needs in quality, productivity, safety, and environmental responsibility.

My team of experts and I stand by you from the initial contact to the post-installation stages and process confirmation, fostering a deeper partnership built on trust and innovation. We ensure your satisfaction, sustained growth, and business development. Our dedication to your journey is absolute—your success is our personal investment.

Please contact us today and let us assist you in your journey to better heat processing.

MARK HEMSATH

President of Global NITREX Turnkey Systems / mark.hemsath@nitrex.com

NITREX

TURNKEY NITRIDING / NITROCARBURIZING SYSTEMS

FOR AN OPTIMAL RETURN ON INVESTMENT

WHAT IS A NITRIDING / NITROCARBURIZING TURNKEY SYSTEM?

A NITREX turnkey system goes beyond being a standard furnace with controls capable of performing gas nitriding or gaseous ferritic nitrocarburizing. It represents a comprehensive solution that begins with an analysis of client requirements and application needs. From there, it encompasses equipment proposal, design, specification of supporting systems (such as cooling or automation), complete manufacturing, process testing and recipe proofing, logistics, onsite installation, training, commissioning, plant integration, and life cycle services, offering a complete turnkey approach.

THE NITREX "TURNKEY"
APPROACH OFFERS SUPERIOR
FURNACE SOLUTIONS,
TECHNICAL EXPERTISE,
INSTALLATION ASSISTANCE, AND
FULL SYSTEM INTEGRATION,
GUARANTEEING AN OPTIMAL
RETURN ON INVESTMENT.

NITREX

NTS
BROCHURE

A word from
the president
/
Turnkey
nitriding/
nitrocarburizing
systems

NITREX

MAKING AN IMPACT IN EVERY INDUSTRY

SOLUTIONS FOR ALL TYPES OF BUSINESSES

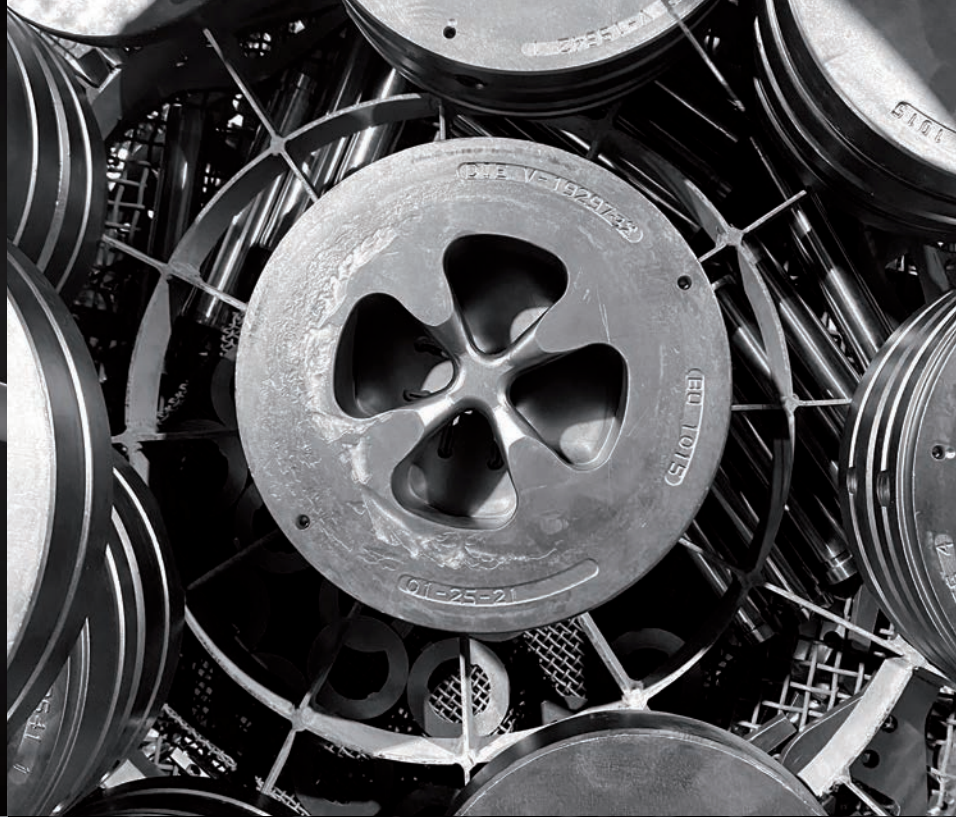
NITREX serves customers in a wide range of industries, all with unique needs and requirements. And in this fast-changing world that demands durability, sustainability, quality, and cost efficiency, more and more industries and companies are viewing nitriding/nitrocarburizing as business critical.

MARKETS WE SERVE

- Aerospace
- Automotive
- Off-road vehicles
- Defense
- Medical
- Mining
- Oil & gas
- Tooling
- Aluminium extrusion

TYPICAL APPLICATIONS

- Aircraft components
- Axles
- Dies
- Extrusion dies
- Engine components
- Fasteners
- Fuel injectors
- Gears
- Industrial tools
- Landing gears
- MIM parts
- Piping
- Pumps
- Shafts
- Valve train components



NITREX

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Making an
impact in
every industry

MEET OUR LINEUP



NX SERIES

The heavy-duty NX series features a selection of pit-type batch furnaces for medium to very large processing and provides flexibility for a wide range of applications. By incorporating multiple controlled heating zones, temperature uniformity inside the retort is $\pm 5^{\circ}\text{C}$ (9°F) or better.



NXH SERIES

The NXH front-loading furnaces are designed to have fast heat-up rates and a uniform temperature throughout the load. Optional internal cooling systems reduce cooling times, shortening the total cycle time and maximizing furnace usage.



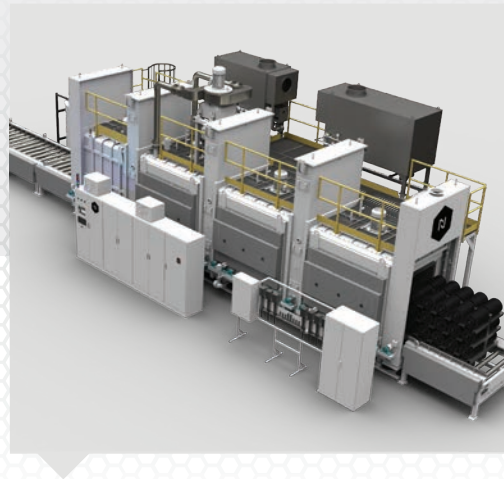
NXK SERIES

The multipurpose NXK series of compact nitriding/nitrocarburizing furnaces is a cost-effective and dependable choice for use in small scale processing as well as for general laboratory/testing/process development purposes.



NXHL SERIES

The NXHL front-loading batch furnaces are able to support high-volume, fully automated, 24/7 lights-out production. With fast heat-up and cooling rates, the shorter cycle times offer faster production times and maximum furnace utilization.



NXL SERIES

The NXL is a multi-chamber continuous furnace line based on scalable process modules to increase the system's capacity and adaptability to the application and production demands. The flexible design adapts to different levels of manufacturing automation from semi-automated to fully automated, and lights-out operations.



N-EXT SERIES

The plug-and-play N-EXT series is a solution package designed specifically for nitriding/nitrocarburizing of aluminum extrusion dies. Its holistic design ties in all components with the latest technology advances and proven recipes into a self-contained, skid-mounted platform.

NITREX

NTS
BROCHURE

Meet our
lineup

NX SERIES / PIT-TYPE BATCH RETORT FURNACES

PERFECT FOR MEDIUM TO HIGH-VOLUME PRODUCTION

The heavy-duty NX series features a selection of pit-type batch furnaces for medium to large processing and is suitable for a wide range of applications. By incorporating multiple controlled heating zones, temperature uniformity inside the retort is $\pm 5^{\circ}\text{C}$ (9°F) or better.

As part of a turnkey system, the NX furnace operates completely automatically and autonomously, with little human intervention. All phases of the process,

including purging, heating, nitriding, and cooling are carried out in a single continuous cycle. Closed-loop process control allows the system to automatically adjust to changes in nitriding/nitrocarburizing conditions that occur during the process cycle.

FEATURES

- Separate heating zones for accurate temperature control
- Uniform temperature distribution through independently controlled heating zones
- Hot gas recirculation fan for a fast load heat-up rate and excellent temperature uniformity
- Light ceramic fiber insulation for a fast and efficient heating and cooling
- Long-lasting Kanthal® heating elements
- Silicone cover seal for gas tight retort
- Inconel 600 (refractory alloy) retort and racking for a long service life and chemical stability with nitriding atmosphere
- Actuated cover lifting device
- NITREG® technologies with tested and proven recipes optimized for maximum part quality and performance
- Software module for data archiving and reporting as well as remote diagnostics
- SCADA connectivity
- QMULUS integration for enhanced asset and data management and analysis*

BENEFITS

- Preconfigured and factory tested
- Pretested for metallurgical results
- Fully automated operation for guaranteed repeatable and consistent results
- True nitriding/nitrocarburizing process control – compliant with AMS 2759/10 and AMS 2759/12 standards
- Superior case properties per customer specifications
- Various case configurations possible
- Ready-to-use treated parts
- Clean, environmentally-friendly, and sustainable processes — reduced consumption of process gases and energy savings from shorter process times

See pages 26-27 for furnace models and specifications.

** Refer to page 22 for more details on our IIoT platform QMULUS*



Eco-friendly technology



NITREX

NTS
BROCHURE

NX series /
pit-type
batch retort
furnaces

NXH SERIES / HORIZONTAL BATCH-TYPE RETORT FURNACES

PERFECT FOR MEDIUM TO HIGH-VOLUME PRODUCTION

The NXH front-loading furnaces are designed to have fast heat-up rates and a uniform temperature throughout the load. Optional internal cooling systems reduce cooling times, shortening total cycle time, and maximizing furnace usage.

As part of a turnkey system, the NXH furnace operates completely automatically and autonomously, with little human intervention. All phases of the process,

including purging, heating, nitriding, and cooling are carried out in a single continuous cycle. Closed-loop process control allows the system to automatically adjust to changes in nitriding/nitrocarburizing conditions that occur during the process cycle.

FEATURES

- Separate heating zones for accurate temperature control
- Loading hearth rails or passive roller bed available
- Uniform temperature distribution through independently controlled heating zones
- Hot gas recirculation fan for a fast load heat-up rate and excellent temperature uniformity
- Light ceramic fiber insulation for a fast and efficient heating and cooling
- Long-lasting Kanthal® heating elements
- Silicone cover seal for gas tight retort
- Inconel 600 (refractory alloy) retort and racking for a long service life and chemical stability with nitriding atmosphere
- Actuated cover lifting device
- NITREG® technologies with tested and proven recipes optimized for maximum part quality and performance
- Software module for data archiving and reporting as well as remote diagnostics
- SCADA connectivity

BENEFITS

- Preconfigured and factory tested
- Pretested for metallurgical results
- Fully automated operation for guaranteed repeatable and consistent results
- True nitriding/nitrocarburizing process control – compliant with AMS 2759/10 and AMS 2759/12 standards
- Superior case properties per customer specifications
- Various case configurations possible
- Ready-to-use treated parts
- Clean, environmentally-friendly, and sustainable processes — reduced consumption of process gases and energy savings from shorter process times



Eco-friendly technology



NITREX

NTS
BROCHURE

NXH series /
horizontal
batch-type
retort furnaces

NXK SERIES / COMPACT BATCH-TYPE RETORT FURNACES

PERFECT FOR LOW-VOLUME PRODUCTION

The multipurpose NXK series of compact nitriding/nitrocarburizing furnaces is a cost-effective and dependable option for small-scale production, such as aluminum extrusion dies, as well as for general laboratory/testing/process development purposes. It is designed for floor mounting without the need for a pit, using simple overhead handling, such as a job crane.

As part of a turnkey system, the NXK furnace operates completely automatically and autonomously, with little human intervention. All phases of the process,

including purging, heating, nitriding, and cooling are carried out in a single continuous cycle. Closed-loop process control allows the system to automatically adjust to changes in nitriding/nitrocarburizing conditions that occur during the process cycle.

FEATURES

- Separate heating zones for accurate temperature control
- Uniform temperature distribution through independently controlled heating zones
- Hot gas recirculation fan for a fast load heat-up rate and excellent temperature uniformity
- Light ceramic fiber insulation for fast and efficient heating and cooling
- Long-lasting Kanthal® heating elements
- Silicone cover seal for gas tight retort
- Inconel 600 (refractory alloy) retort and racking for a long service life and chemical stability with nitriding atmosphere
- Actuated cover lifting device
- NITREG® technologies with tested and proven recipes optimized for maximum part quality and performance
- Software module for data archiving and reporting as well as remote diagnostics
- SCADA connectivity

BENEFITS

- Preconfigured and factory tested
- Pretested for metallurgical results
- Fully automated operation for guaranteed repeatable and consistent results
- True nitriding/nitrocarburizing process control – compliant with AMS 2759/10 and AMS 2759/12 standards
- Superior case properties per customer specifications
- Various case configurations possible
- Ready-to-use treated parts
- Clean, environmentally-friendly, and sustainable processes — reduced consumption of process gases and energy savings from shorter process times

Eco-friendly technology



NITREX

NTS
BROCHURE

NXK series /
compact
batch-type
retort furnaces

NXHL SERIES / HORIZONTAL BATCH-TYPE FURNACES

PERFECT FOR A FULLY AUTOMATED HEAT TREATING CELL

The NXHL front-loading batch furnaces are able to support high-volume, fully automated, 24/7 lights-out production, and very heavy loads. With fast heat-up and cooling rates, they offer high productivity and maximum furnace utilization.

As part of a turnkey system, the NXHL furnace operates completely automatically and autonomously with loaders, requiring little human intervention. All phases of the process, including purging, heating, nitriding, and cooling are carried out in a

single continuous cycle. Closed-loop process control allows the system to automatically adjust to changes in nitriding/nitrocarburizing conditions that occur during the process cycle. See the Automation section on page 6 for more details.

FEATURES

- Separate heating zones for accurate temperature control
- Driven roller bed or passive roller bed available
- Uniform temperature distribution through independently controlled heating zones
- Hot gas recirculation fan for a fast load heat-up rate and excellent temperature uniformity
- Lightweight fiber insulation and firebrick for fast and cost-efficient heating and cooling and unsurpassed value
- Long-lasting Kanthal® heating elements
- Silicone cover seal for gas tight retort
- Inconel 600 (refractory alloy) components and racking for a long service life and chemical stability with nitriding atmosphere
- Actuated cover lifting device
- NITREG® technologies with tested and proven recipes optimized for maximum part quality and performance
- Software module for data archiving and reporting as well as remote diagnostics
- SCADA connectivity

BENEFITS

- Preconfigured and factory tested
- Pretested for metallurgical results
- Fully automated operation for guaranteed repeatable and consistent results
- True nitriding/nitrocarburizing process control – compliant with AMS 2759/10 and AMS 2759/12 standards
- Superior case properties per customer specifications
- Various case configurations possible
- Ready-to-use treated parts
- Clean, environmentally-friendly, and sustainable processes — reduced consumption of process gases and energy savings from shorter process times



Eco-friendly technology



NITREX

NTS
BROCHURE

NXHL /
horizontal
batch-type
furnaces

NXL SERIES / MULTI-CHAMBER CONTINUOUS PRODUCT FLOW FURNACES

PERFECT FOR HIGH-VOLUME CONTINUOUS PRODUCTION

The NXL multi-chamber continuous product flow furnace line is based on scalable process modules, which increase the system capacity and adaptability to application and productivity demands. Its adaptable design allows for various levels of manufacturing automation, from semi-automated to fully-automated, and lights-out operations. The system uses simple conveyors and sealed, high-temperature driven rollers inside the heating chambers to transport products.

As part of a turnkey system, the NXL furnace operates completely automatically and autonomously, with little human intervention. Using a combination of process zones, all phases of the process, including purging, heating, nitriding, and cooling,

are automatically sequenced in a continuous uninterrupted cycle. This configuration allows for an automatic, self-adjusting process, contributing to a high degree of accuracy in process execution and a higher level of consistency in nitriding/nitrocarburizing results.

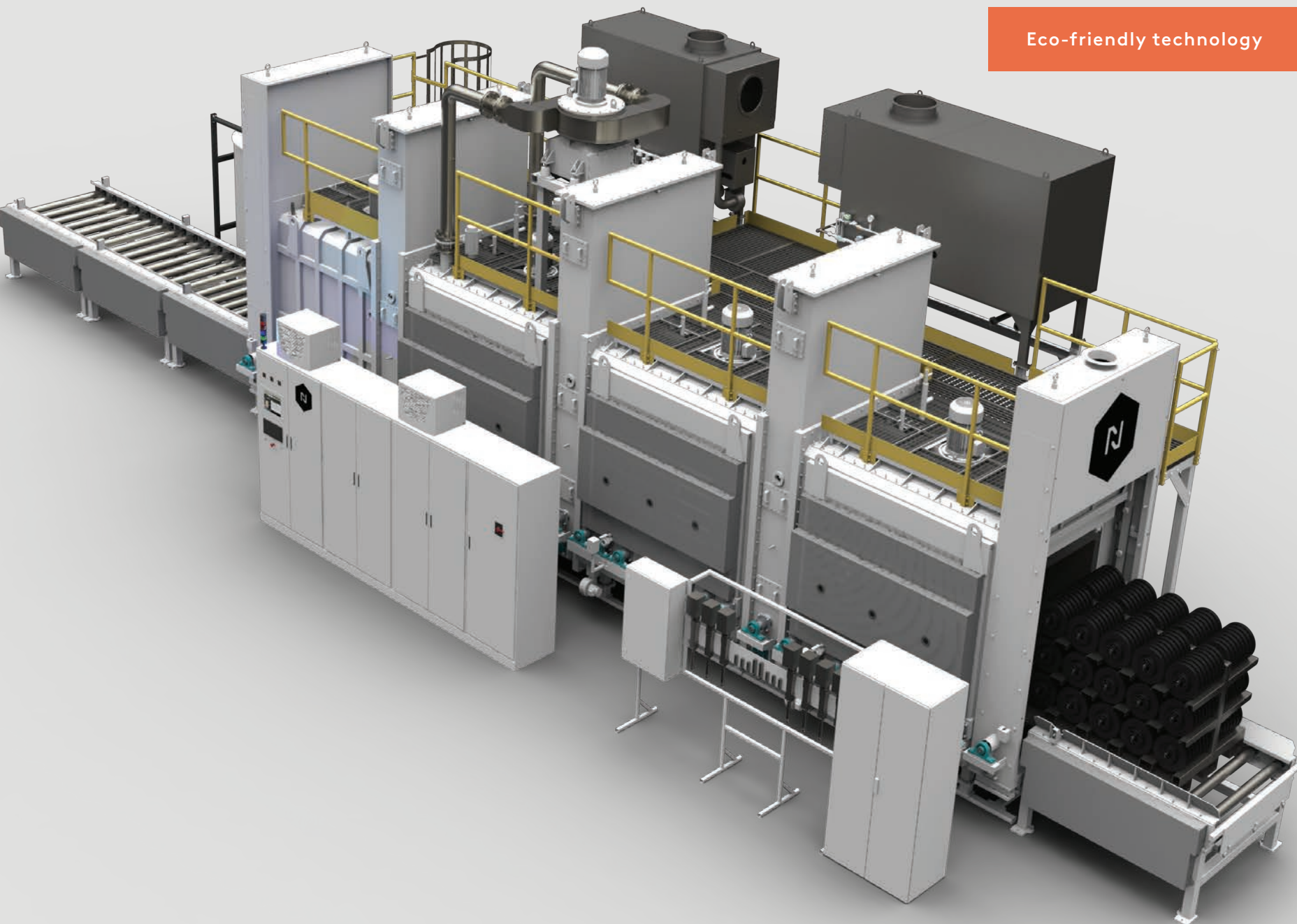
FEATURES

- Modular design for flexibility in multi-stage processes, customized configurations to suit any given application (pre-heat, process, post-oxidation, ramped cooling, fast cooling, etc.)
- Separate heating zones for accurate temperature control
- Exceptional temperature uniformity throughout the workload
- Hot gas recirculation fan for a fast load heat-up rate
- Light ceramic fiber insulation for fast and efficient heating and cooling
- Long-lasting Kanthal® heating elements
- Inconel 600 (refractory alloy) retort and racking for a long service life and chemical stability with nitriding atmosphere
- Turbo-cooling module for shorter cooling times and improved furnace utilization rates
- NITREG® technologies with tested and proven recipes optimized for maximum part quality and performance
- Software module for data archiving and reporting as well as remote diagnostics
- SCADA connectivity

BENEFITS

- Preconfigured and factory tested
- Pretested for metallurgical results
- Fully automated operation for guaranteed repeatable and consistent results
- True nitriding/nitrocarburizing process control
 - compliant with AMS 2759/10 and AMS 2759/12 standards
- Superior case properties per customer specifications
- Various case configurations possible
- Ready-to-use treated parts
- Clean, environmentally-friendly, and sustainable processes — reduced consumption of process gases and energy savings from shorter process times
- Modular, flow-through design provides 30-40% energy savings compared to batch furnaces
- Highly economical solution for just-in-time high-volume production

See pages 26-27 for furnace models and specifications.



Eco-friendly technology



NITREX

NTS
BROCHURE

NXL series /
multi-chamber
continuous
product flow
furnaces

N-EXT SERIES / PLUG-AND-PLAY BATCH FURNACES

PACKAGED SOLUTION FOR ALUMINUM EXTRUSION DIES

The N-EXT series is a plug-and-play solution package designed specifically for nitriding/nitrocarburizing aluminum extrusion dies. Its holistic design integrates all hardware components with the latest technology advances and proven recipes into a self-contained, skid-mounted platform.

As part of a turnkey system, the N-EXT furnace operates completely automatically and autonomously, with little human intervention. All phases of the process,

including purging, heating, nitriding, and cooling are carried out in a single continuous cycle. Closed-loop process control allows the system to automatically adjust to changes in nitriding/nitrocarburizing conditions that occur during the process cycle.

FEATURES

- Separate heating zones for accurate temperature control
- Uniform temperature distribution through independently controlled heating zones
- Hot gas recirculation fan for a fast load heat-up rate and excellent temperature uniformity
- Light ceramic fiber insulation for fast and efficient heating and cooling
- Long-lasting Kanthal® heating elements
- Silicone cover seal for gas tight retort
- Inconel 600 (refractory alloy) retort and racking for a long service life and chemical stability with nitriding atmosphere
- Actuated cover lifting device
- NITREG® technologies with tested and proven recipes optimized for maximum part quality and performance
- Software module for data archiving and reporting as well as remote diagnostics
- SCADA connectivity

BENEFITS

- Preconfigured and factory tested
- Pretested for metallurgical results
- Fully automated operation for guaranteed repeatable and consistent results
- True nitriding/nitrocarburizing process control – compliant with AMS 2759/10 and AMS 2759/12 standards
- Superior case properties per customer specifications
- Various case configurations possible
- Ready-to-use treated parts
- Clean, environmentally-friendly, and sustainable processes — reduced consumption of process gases and energy savings from shorter process times

Eco-friendly technology



NITREX

NTS
BROCHURE

N-EXT series /
plug-and-play
batch
furnaces



HOLISTIC IOT SOLUTION

CLOUD-BASED PLATFORM WITH AI & MACHINE
LEARNING CAPABILITIES

QMULUS is an IoT platform, offered on cloud and on-premise, providing you with a complete and integrated approach, including:



Data acquisition



Analysis



Monitoring



Optimization



Control



Auditing



Detection



Reporting

QMULUS is a holistic data solution that improves asset and production transparency and efficiency by automating all systems and flows to drive better top-line and bottom-line results.

→ **SINGLE SOURCE OF INFORMATION**

QMULUS captures all relevant machinery and production data available on your shop floor.

→ **EQUIPMENT CONNECTIONS**

QMULUS connects with NITREX brand, third-party, and custom controllers for process overview, recipe control, bidirectional communication, batch tracking and other customization options.

→ **INSIGHTS FOR CUSTOMERS**

QMULUS creates a holistic representation of data from processes and machines, generating deeper customer insights that facilitate informed decision-making and improve production performance.

→ **LEAN ARCHITECTURE**

QMULUS is built with a lean architecture that is scalable and maintainable and capable of running either in the cloud or at the customer's site.

NITREX

NTS
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QMULUS
HOLISTIC IOT
SOLUTION

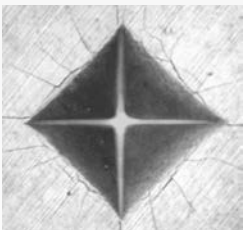
TECHNOLOGIES

THINK NITREG® WHEN WEAR, FATIGUE & CORROSION MATTER

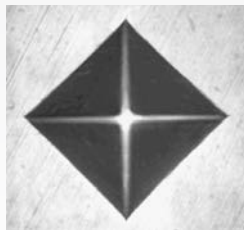
INNOVATIVE TECHNOLOGIES FOR ALL TYPES OF STEEL

The NITREG® brand of potential-controlled gas nitriding and nitrocarburizing technologies are used exclusively in NITREX furnaces. These ecological and time-tested technologies enable the development of customized recipes for various parts, applications, steels, case configurations, and final requirements to enhance wear, fatigue, and corrosion resistance while delivering improved part performance, reliability, and service life.

VICKERS INDENTATIONS – Load of 30 kg on a 4340 steel nitrided to the same specification:



CONVENTIONAL
nitriding



NITREG®
nitriding

NITREG® Gas Nitriding

NITREG® is a gas nitriding technology that is successfully applied to a variety of parts and materials to increase their surface hardness, wear resistance, and fatigue life. Its ability to control the concentration of nitrogen at the surface allows it to manage the growth of the compound layer almost independently from the development of the diffusion zone. This allows for a tighter control of the case depth and the white layer within narrower tolerances.

BENEFITS

- Precise control of the compound /white layer thickness and its properties
- Elimination of closed nitride networks within the diffusion zone
- Excellent control of the case depth
- Uniform hardened surface even in small bores, tight grooves, and sharp edges
- Prevention of over-nitriding, no distortion of parts
- Very high level of process repeatability
- Cost savings due to reduced gas consumption, optimized process times, and elimination of post-finishing operations
- Green technology that reduces pollution

NITREG®-C Nitrocarburizing

NITREG®-C is a nitrocarburizing process with K_N and K_C control that incorporates simultaneous diffusion of nitrogen and carbon into the steel surface. Treatment enhances the wear, fatigue and corrosion resistance of treated steel or cast-iron parts, without distortion of shape or dimensional changes. It is an environmentally friendly equivalent alternative to salt bath nitrocarburizing.

BENEFITS

All the benefits of NITREG®, plus:

- Rapid formation of the white layer on low-carbon unalloyed steel
- Stable γ' -phase content in most types of steels
- Improvement and stabilization of the ϵ -phase content in most types of steels

NITREG®-S For Stainless Steels

NITREG®-S is a proprietary nitriding technology with a depassivation stage that removes oxides from alloying elements to allow nitriding of stainless steel to take over with complete control over the formation of the nitrided layers. All types of stainless steel can be nitrided.

BENEFITS

All the benefits of NITREG®, plus:

- No need for pre-processing preparations
- Excellent wear resistance
- Improved fatigue strength
- Prevention of galling
- No change to the chemical composition of the alloy
- No effect on the steel's non-magnetic nature
- No change in color, shape, or size

ONC® In-Process Oxidation

ONC® is an in-process post-nitriding or post-nitrocarburizing oxidation process with oxidation potential (K_O) control that further enhances wear and corrosion resistance while producing an attractive black finish on metal parts of various grades of steel. It is a low-cost, environmentally friendly alternative to chrome plating and salt bath nitriding.

BENEFITS

All the benefits of NITREG®, plus:

- Even greater corrosion resistance
- Even greater wear resistance
- Attractive black surface finish
- Lowered coefficient of friction

NANO-S™ For Stainless Steels

NANO-S™ is a surface hardening process that improves the wear and galling resistance of stainless-steel components while leaving their inherent corrosion resistance alone. It diffuses nitrogen and/or carbon into the surface, creating a S-Phase structure with extremely high hardness.

BENEFITS

All the benefits of NITREG®, plus:

- No need for pre-processing preparations
- Excellent wear resistance
- Improved fatigue strength
- Retained intrinsic corrosion properties
- Prevention of galling
- No change to the chemical composition of the alloy
- No effect on the steel's non-magnetic nature
- No change in color, shape, or size

NITREX

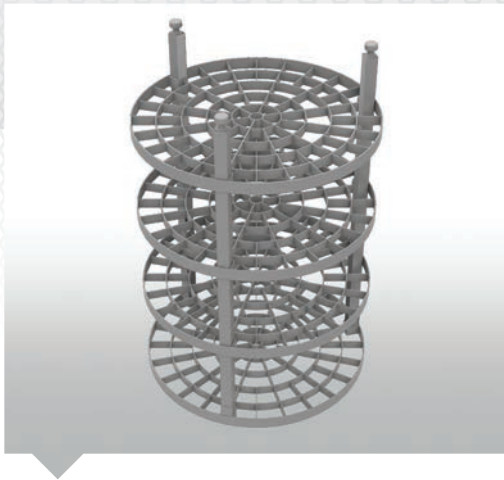
NTS
BROCHURE

Think
NITREG®
when wear,
fatigue &
corrosion
matter

AUXILIARY EQUIPMENT

DESIGNED, TESTED, AND VETTED FOR NITREX SYSTEMS

This collection of suitably designed, dimensioned, and vetted equipment enhances the functionality of a NITREX nitriding/nitrocarburizing system and guarantees optimal performance.



FURNACE RACKING

SAFE & EASY PARTS HANDLING

NITREX parts handling systems are dimensioned and vetted to meet all operational requirements, from small to large production quantities and different sized parts. These process-safe baskets and racks made of Inconel 600 alloy can withstand high temperatures for a longer service life.



AMMONIA DRYER

HIGHEST PURITY AVAILABLE

The ammonia dryer removes water and oil particles from anhydrous ammonia, producing high purity ammonia for process needs. This feature is especially useful in regions where there is high-water content in the ammonia supply.



VACUUM PURGE SYSTEM

FASTER PURGING, HIGHER PRODUCTIVITY

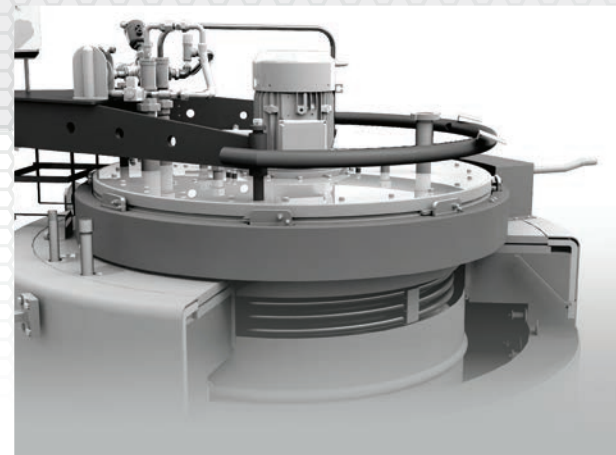
The vacuum purge system quickly evacuates air from the retort, allowing it to be filled with process gas in far less time than the standard nitrogen purge stage. This optional add-on reduces process gas consumption and costs while increasing furnace productivity.



AMMONIA DISSOCIATORS

COST-EFFECTIVE & SAFE ON-DEMAND SUPPLY

The ammonia dissociator provides a cost-effective and secure source of dissociated ammonia, which is used as an additive gas for nitriding processes. This is especially useful when nitriding certain alloys that require the addition of diluting gas to precisely control the nitriding potential according to specifications such as AMS 2759/10 and AMS 2759/12. Nitriding potential control is a key element of process control for alloys like stainless steels and nitralloys, as well as for deep case nitriding.



ACCELERATED COOLING SYSTEM

40% REDUCTION OF COOLING TIME

The accelerated cooling system drastically shortens the cooling stage of a nitriding cycle, resulting in shorter lead and delivery times, improved furnace utilization and significant cost savings.

AUXILIARY EQUIPMENT

DESIGNED, TESTED, AND VETTED FOR
NITREX SYSTEMS



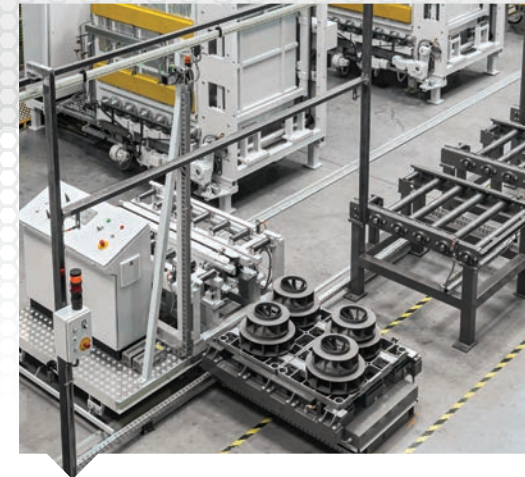
CLOSED-LOOP WATER COOLING SYSTEM RESOURCE CONSERVATION WHILE PROLONGING FURNACE ELEMENTS

The closed-loop water cooling system uses recirculated water to cool furnace elements. It reduces water usage and utility costs while also extending the life of furnace seals, flanges, and the internal turbine motor



EXHAUST NEUTRALIZER SYSTEM A GREEN, CLEAN PROCESS

The neutralizer system is the most practical way to eliminate residual ammonia. This environmentally friendly solution uses ammonia to neutralize exhaust gases from nitriding furnaces and other equipment and reduce nitrogen oxides (NOx) emissions.



AUTOMATION AUTOMATED HANDLING SYSTEM

The load transfer system streamlines the movement of loads throughout the production chain. It reduces labor-intensive tasks and enhances handling efficiency between process stages, supporting both semi- and fully automated production environments.



NITREX AFTERMARKET

An aftermarket solution is essential to your business continuity; it helps extend your system's lifecycle and maximizes your return on investment (ROI). Because it's not enough to just think of the now—you need to consider how your system and equipment, and therefore your business, might be impacted in the future. We've developed an aftermarket protocol that meets the needs of today, all while anticipating the requirements of tomorrow.

Ask your NITREX representative for more information.

NITREX

NTS
BROCHURE

Auxiliary
equipment
/
NITREX
Aftermarket

FURNACE MODELS & SPECIFICATIONS

NX SERIES

NX MODEL	Diameter		Height		Load capacity	
NX-615	23½"	600 mm	59"	1,500 mm	2,200 lb.	1,000 kg
NX-620	23½"	600 mm	78¾"	2,000 mm	2,600 lb.	1,200 kg
NX-815	31½"	800 mm	59"	1,500 mm	3,300 lb.	1,500 kg
NX-820	31½"	800 mm	78¾"	2,000 mm	3,850 lb.	1,750 kg
NX-825	31½"	800 mm	98½"	2,500 mm	4,400 lb.	2,000 kg
NX-1015	39"	1,000 mm	59"	1,500 mm	4,400 lb.	2,000 kg
NX-1020	39"	1,000 mm	78¾"	2,000 mm	5,500 lb.	2,500 kg
NX-1025	39"	1,000 mm	98½"	2,500 mm	6,600 lb.	3,000 kg
NX-1215	47¼"	1,200 mm	59"	1,500 mm	6,600 lb.	3,000 kg
NX-1220	47¼"	1,200 mm	78¾"	2,000 mm	8,400 lb.	8,800 kg
NX-1225	47¼"	1,200 mm	98½"	2,500 mm	9,900 lb.	4,500 kg
NX-1230	47¼"	1,200 mm	118"	3,000 mm	11,570 lb.	5,250 kg
NX-1625	61"	1,550 mm	98½"	2,500 mm	13,200 lb.	6,000 kg
NX-1630	61"	1,550 mm	118"	3,000 mm	15,400 lb.	7,000 kg
NX-1635	61"	1,550 mm	137¾"	3,500 mm	17,600 lb.	8,000 kg
NX-1645	61"	1,550 mm	177"	4,500 mm	22,000 lb.	10,000 kg

Larger diameters of 2.5 m (98 in), 3.5 m (138 in), and 4.5 m (177 in) are also available as custom designs.

NXL SERIES

NXL MODEL	Working space (W x H x L)		Load capacity	
NXL-9912	35½" x 35½" x 47¼"	900 x 900 x 1,200 mm	3,300 lb.	1,500 kg
NXL-9918	35½" x 35½" x 71"	900 x 900 x 1,800 mm	3,970 lb.	1,800 kg
NXL-121218	47¼" x 47¼" x 71"	1200 x 1200 x 1800 mm	6600 lb	3000 kg

NXK SERIES / N-EXT SERIES

NXK MODEL	N-EXT MODEL	Diameter		Height		Load capacity	
NXK-409	N-EXT-409	15¾"	400 mm	31½"	800 mm	660 lb.	300 kg
NXK-412	N-EXT-412	15¾"	400 mm	47¼"	1,200 mm	880 lb.	400 kg
NXK-609	N-EXT-609	23½"	600 mm	35½"	900 mm	1,300 lb.	600 kg
NXK-612	N-EXT-612	23½"	600 mm	47¼"	1,200 mm	1,700 lb.	800 kg
NXK-812	N-EXT-812	31½"	800 mm	47¼"	1,200 mm	2,600 lb.	1,200 kg
NXK-815	N-EXT-815	31½"	800 mm	59"	1,500 mm	3,300 lb.	1,500 kg

NXH SERIES

NXH MODEL	Working space (W x H x L)		Load capacity	
NXH-669	23½" x 23½" x 35½"	600 x 600 x 900 mm	1,700 lb.	800 kg
NXH-6612	23½" x 23½" x 47¼"	600 x 600 x 1,200 mm	2,200 lb.	1,000 kg
NXH-9812	35½" x 31½" x 47¼"	900 x 800 x 1,200 mm	3,300 lb.	1,500 kg
NXH-9818	35½" x 31½" x 71"	900 x 800 x 1,800 mm	5,500 lb.	2,500 kg
NXH-101015	39½" x 39½" x 59"	1,000 x 1,000 x 1,500 mm	5,500 lb.	2,500 kg
NXH-101018	39½" x 39½" x 71"	1,000 x 1,000 x 1,800 mm	6,600 lb.	3,000 kg
NXH-121018	47¼" x 39½" x 71"	1200 x 1000 x 1800 mm	7,700 lb.	3,500 kg
NXH-121218	47¼" x 47¼" x 71"	1200 x 1200 x 1800 mm	88,00 lb.	4,000 kg

NXHL SERIES

NXHL MODEL	Working space (W x H x L)		Load capacity	
NXHL-910512	35½" x 41¼" x 47¼"	900 x 1,050 x 1,200 mm	3,300 lb.	1,500 kg
NXHL-121218	47¼" x 47¼" x 71"	1200 x 1200 x 1800 mm	6600 lb.	3,000 kg

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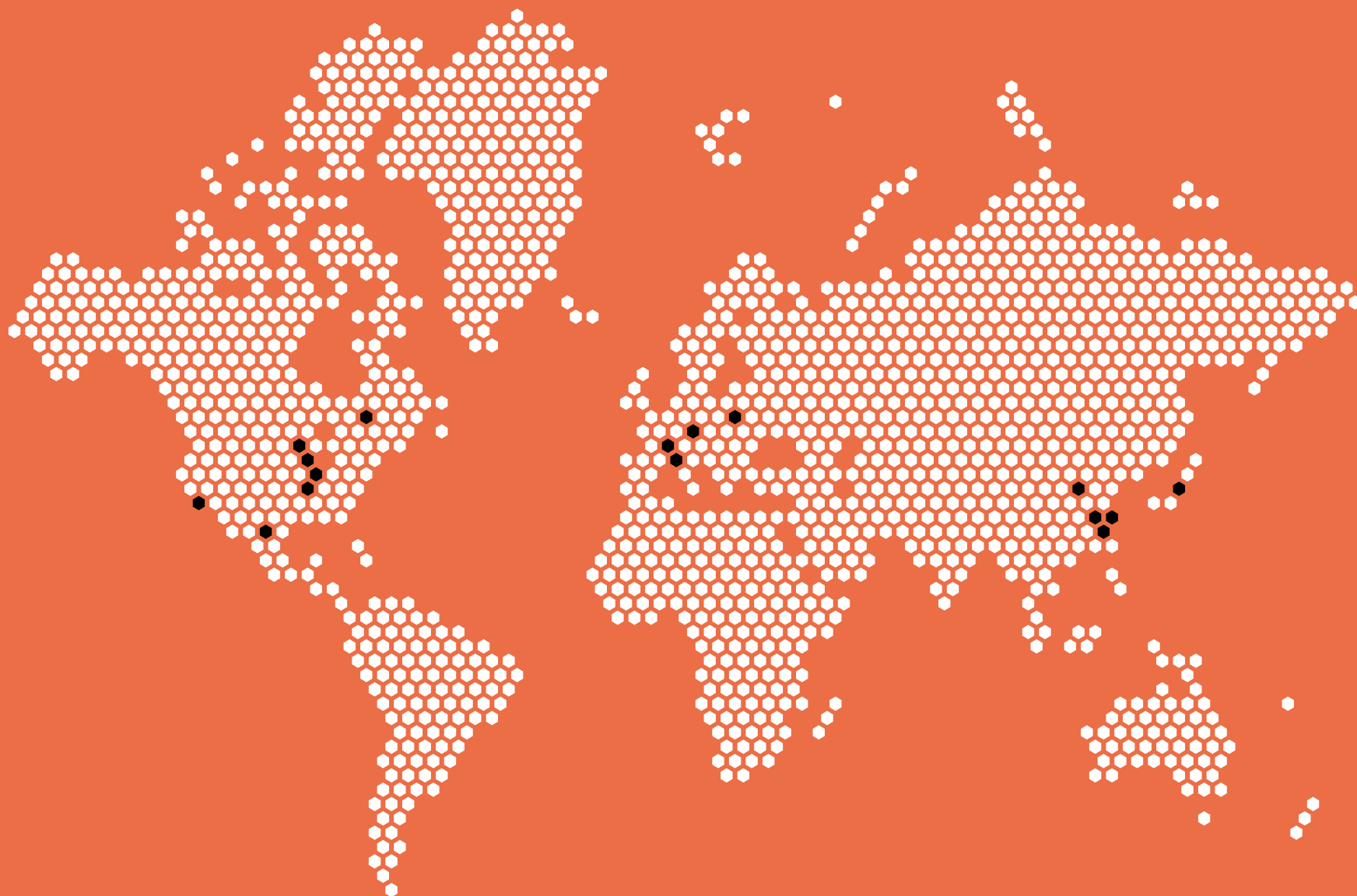


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