



Empowering defence.

NASTA™ Target Systems clay target throwers

2025

*For sport, skeet and trap.
Practice and competition.
From hunting ranges to Olympic arenas.*

NASTA™ Target Systems

W5 Solutions

W5 Solutions is a company working to empower defense, through innovation, people and durable products.

W5 Training is a business area within W5 Solutions, and is a full-service supplier of electronic targets, including the famous NASTA™ clay target throwers acquired by W5 in 2021.

Our systems:

- KONGSBERG Target Systems™
- MR Targets Systems™
- NASTA™ Target Systems
- W5 TACTICAL Target Systems™

Our customers are military and civilian shooting ranges all over the world. Our systems are installed at some of the world's largest shooting ranges and are trusted by some of the world's largest shooting competitions.

Read more about our products at our home page:

www.w5training.com



NASTA™ clay target throwers

When NASTA was started in Finland back in 1968, the goal was to create the world's best throwing machine. And so it began. Designs were tested, discoveries were made, and secrets were created.

Many years later, NASTA has earned a reputation for manufacturing throwing machines of unparalleled quality, and maybe the goals of the founders were achieved.

One of the many design secrets lays within the shock absorption of the throwing arm. This provides for extreme accuracy and durability, and makes a NASTA thrower more damped and silenced than any other thrower on the market.

The same design feature also makes a NASTA machine extremely precise and softhandling, resulting in minimum clay target breakage.

We call it the Sound of NASTA.

We know it's hard to believe, but there are lots of NASTA machines out there passing 40 years of age and still in operation. This leads us to believe that the NASTA thrower may also be the best in class for durability and low cost ownership.

So, knowing this, why wouldn't you consider NASTA for your range, whether you are running a hunting range or plan for Olympic competitions?

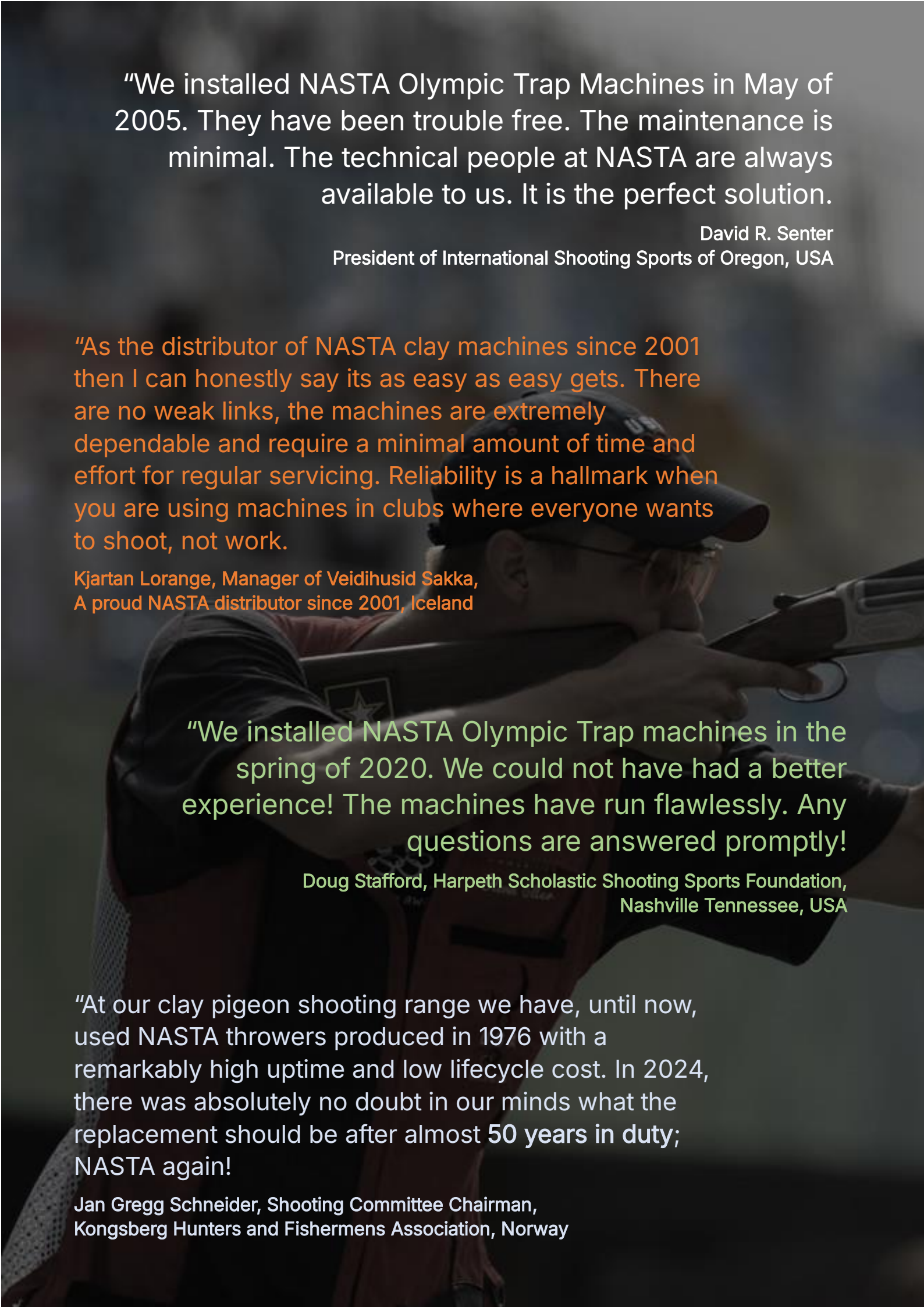
"We call it the Sound of NASTA™

Common technical features for our Trap and Skeet throwers

- Adjustable throwing distance, up to 110 meters.
- Fully automatic target loading.
- All electric parts according to RoHs European Union standards.
- All parts protected against rust and corrosion.
- One-piece throwing arm and fixed clay target plate.
- One-piece welded magazine.
- Stainless Steel "Runway" for the targets.
- Gearbox with hydraulic brake minimizes the vibration and the throwing shock. No one-way bearings are used.
- Designed with zero (0) breakable microswitches for quality and safe operations.
- NASTA throwers are fully adjustable, no left- or right variance in flight track.
- Throwers can be tilted on each side to adjust the flight path as straight as possible.
- To ensure an instant release in every situation, the tripping magnet used in NASTA Throwers is 230 Volts.
- As an option to save power, an electronic relay stops the motor after the throw. Motor running time adjustable.
- Very low maintenance.
- 3 Year warranty. Extended warranty available as an option.
- The traps are provided with a means of sealing its elevation and horizontal angle and main spring tension, after these have been inspected and approved by the Jury.

Product range

Thrower:	Weight	Power	Target capacity	Throw distance	Throw angles
NASTA™ Junior	25kg	12V DC (battery)	50	25 - 75m	Fixed. Horizontal.
NASTA™ Skeet	85kg	230V or 380V	350-600	50 - 110m	Adjustable. Horizontal and vertical.
NASTA™ Olympic Trap	80kg	230V or 380V	250	50 - 110m	Adjustable. Horizontal and vertical.
NASTA™ Hunter Trap	116kg	230V or 380V	350	50 - 110m	Horizontal movement.
NASTA™ Auto Trap	125kg	230V or 380V	350	50 - 110m	Horizontal and vertical movement.



"We installed NASTA Olympic Trap Machines in May of 2005. They have been trouble free. The maintenance is minimal. The technical people at NASTA are always available to us. It is the perfect solution.

David R. Senter
President of International Shooting Sports of Oregon, USA

"As the distributor of NASTA clay machines since 2001 then I can honestly say its as easy as easy gets. There are no weak links, the machines are extremely dependable and require a minimal amount of time and effort for regular servicing. Reliability is a hallmark when you are using machines in clubs where everyone wants to shoot, not work.

Kjartan Lorange, Manager of Veidihusid Sakka,
A proud NASTA distributor since 2001, Iceland

"We installed NASTA Olympic Trap machines in the spring of 2020. We could not have had a better experience! The machines have run flawlessly. Any questions are answered promptly!

Doug Stafford, Harpeth Scholastic Shooting Sports Foundation,
Nashville Tennessee, USA

"At our clay pigeon shooting range we have, until now, used NASTA throwers produced in 1976 with a remarkably high uptime and low lifecycle cost. In 2024, there was absolutely no doubt in our minds what the replacement should be after almost 50 years in duty; NASTA again!

Jan Gregg Schneider, Shooting Committee Chairman,
Kongsberg Hunters and Fishermens Association, Norway


NASTA™ Junior



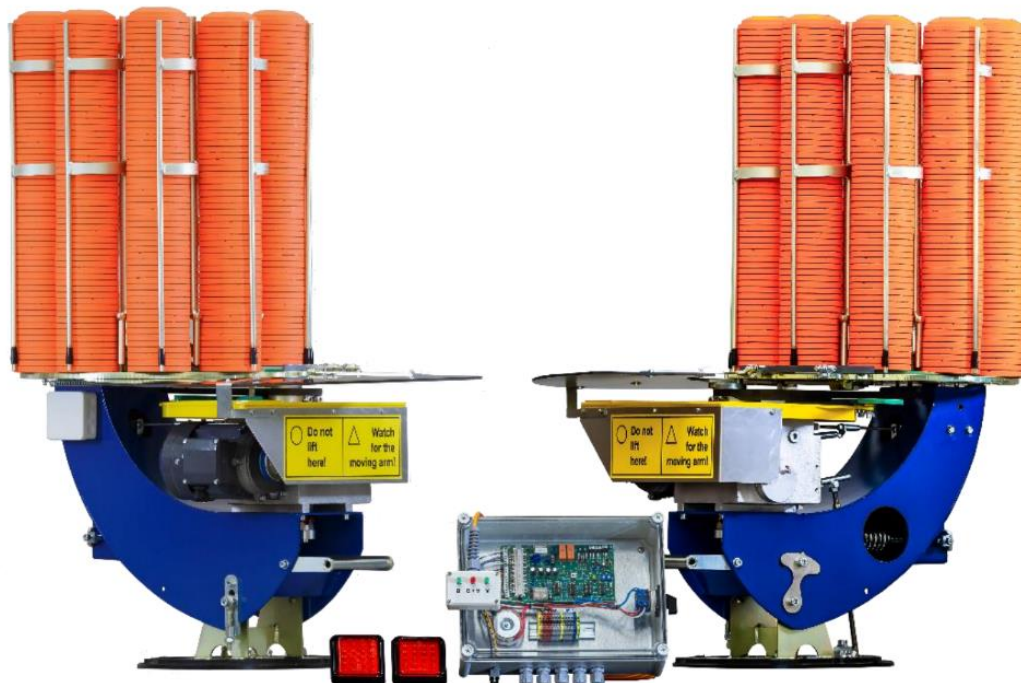
NASTA™ Junior	Price
<p>Complete machine:</p> <p>Weight: 25 kg. Power: 12V DC (battery powered). Magazine capacity: 50 targets. Throwing distance: 25 - 75m. Throwing angles: Fixed, horizontal.</p> <p>Push button release with 20m cable. Magazine attached with two wing screws. Easy to fit in the car trunk.</p> <p>Dimensions:</p> <ul style="list-style-type: none"> - Max. height 80 cm. Without magazine 35 cm. - Max. width 47 cm. - Max. Length 53 cm. 	<p>1.014 €</p>
Options:	
<p>Microphone systems from either Rangemaster (Austria), Elettronica Progetti Systems (Italy), or Clay Delay Devices (USA).</p>	<p>Upon request</p>


NASTA™ Single Skeet



NASTA™ Single Skeet	Price
<p>Complete machine:</p> <p>Weight: 85 kg / thrower. Motor: 230V or 380V. Launch solenoid: 230V – instant release. Magazine capacity: 350 or 600 targets / thrower. Throwing distance: adjustable from 50 – 110m. Throwing angles: adjustable, horizontal and vertical.</p> <p>Timer with international delay, 33-meter cable with push button release. Pull and Mark LED lamps.</p> <p>Dimensions:</p> <ul style="list-style-type: none"> - Max height 850 mm (350 magazine) and 1135 mm (600 magazine). - Max width 578 mm. - Max length 901 mm. <p>Tested and certified by the International Shooting Sport Federation (ISSF).</p>	<p>2.406 €</p> 
<p>Options:</p> <p>Microphone systems from either Rangemaster (Austria), Elettronica Progetti Systems (Italy), or Clay Delay Devices (USA).</p>	<p>Upon request</p>


NASTA™ Skeet



NASTA™ Skeet	Price
<p>Complete with 2 machines, timer, launch cable, LED Pull and Mark lamps:</p> <p>Weight: 85 kg / thrower. Motor: 230V or 380V. Launch solenoid: 230V – instant release. Magazine capacity: 350 or 600 targets / thrower. Throwing distance: adjustable from 50 – 110m. Throwing angles: adjustable, horizontal and vertical.</p> <p>Timer with international delay, 33-meter cable with push button release. Pull and Mark LED lamps.</p> <p>Dimensions:</p> <ul style="list-style-type: none"> - Max height 850 mm (350 magazine) and 1135 mm (600 magazine). - Max width 578 mm. - Max length 901 mm. <p>Tested and certified by the International Shooting Sport Federation (ISSF).</p>	<p>5.758 €</p> 
<p>Options:</p> <p>Microphone systems from either Rangemaster (Austria), Elettronica Progetti Systems (Italy), or Clay Delay Devices (USA).</p>	<p>Upon request</p>

NASTA™ Olympic Trap



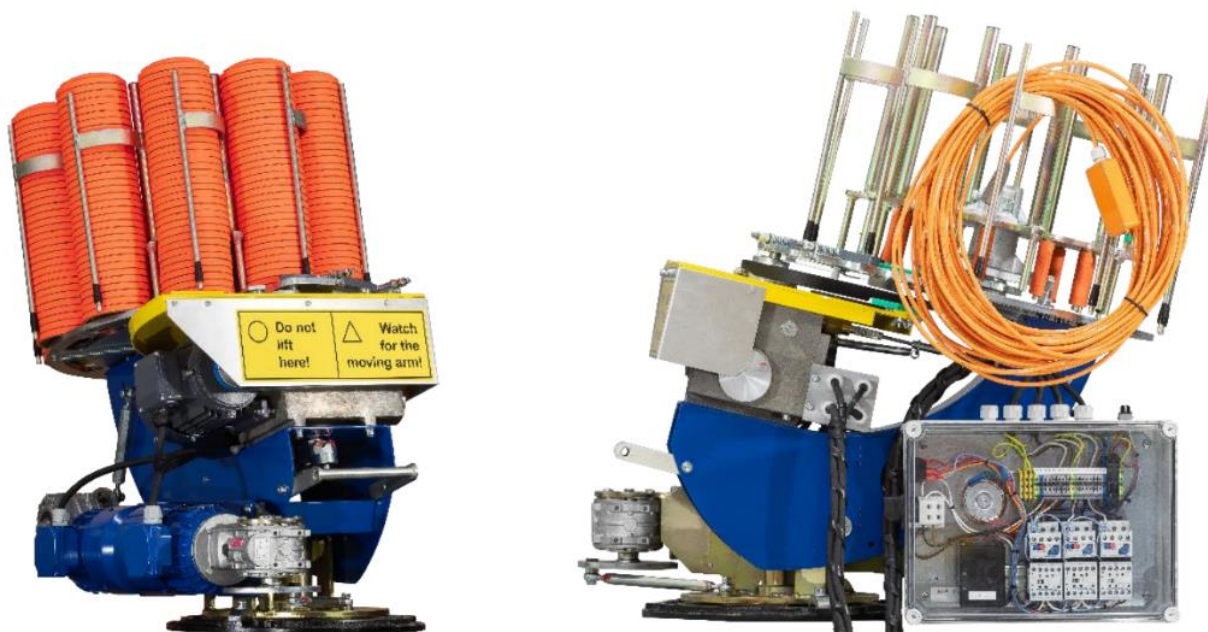
NASTA™ Olympic Trap	Price
<p>Complete machine (Olympic shooting range is 15 machines):</p> <p>Weight: 80 kg. Motor: 230V or 380V. Launch solenoid 230V – instant release. Magazine capacity: 250 targets. Throwing distance: adjustable from 50 – 110m. Throwing angles: adjustable, horizontal and vertical.</p> <p>Dimensions:</p> <ul style="list-style-type: none"> - Max height 762 mm. - Max width 578 mm. - Max length 901 mm. <p>Tested and certified by the International Shooting Sport Federation (ISSF).</p>	<p>2.344 €</p> <div style="text-align: center;">  <p>ISSF</p> </div>
<p>Options:</p>	
<p>Microphone systems from either Rangemaster (Austria), Elettronica Progetti Systems (Italy), or Clay Delay Devices (USA).</p>	<p>Upon request</p>

NASTA™ Hunter Trap



NASTA™ Hunter Trap	Price
<p>Complete machine:</p> <p>Weight: 116 kg.</p> <p>Motor: 230V or 380V. 230 V available with frequency convertors – ensures the smooth operation.</p> <p>Launch solenoid 230V – instant release.</p> <p>Horizontal movement variable between +- 20 to 45 degrees. Magazine capacity: 350 targets.</p> <p>Throwing distance: adjustable from 50 – 110m.</p> <p>Throwing angles: fixed, horizontal.</p> <p>Relay box with thermal relays, mixer relay and push button release with 33-meter cable.</p> <p>Dimensions:</p> <ul style="list-style-type: none"> - Max height 850 mm. - Max width 578 mm. - Max length 901 mm. 	<p>4.007 € (380V)</p> <p>4.407 € (230V)</p>
Options:	
<p>Microphone systems from either Rangemaster (Austria), Elettronica Progetti Systems (Italy), or Clay Delay Devices (USA).</p>	<p>Upon request</p>

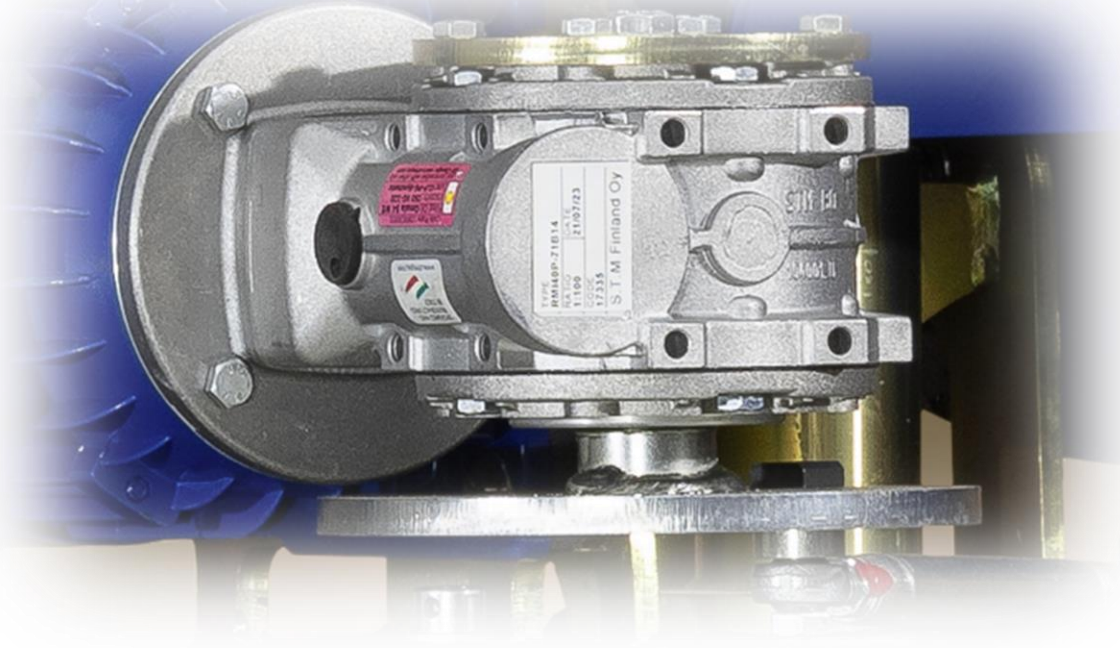
NASTA™ Auto Trap



NASTA™ Auto Trap	Price
<p>Complete machine:</p> <p>Weight: 125 kg Motor: 230V or 380V. 230 V available with frequency convertors – ensures the smooth operation. Launch solenoid 230V – instant release. Horizontal movement variable between +- 20 to 45 degrees. Vertical direction variable between 10 to 25 degrees. Throwing distance: adjustable from 50 – 110m. Magazine capacity: 350 targets.</p> <p>Dimensions:</p> <ul style="list-style-type: none"> - Max height 850 mm. - Max width 578 mm. - Max length 901 mm. <p>Relay box with thermal relays, mixer relay and push button release with 33-meter cable.</p>	<p>4.612€ (380V)</p> <p>5.212€ (230V)</p>
Options:	
<p>Microphone systems from either Rangemaster (Austria), Elettronica Progetti Systems (Italy), or Clay Delay Devices (USA).</p>	<p>Upon request</p>

NASTA™

Training and technical support



	Description	Price
Installation	We provide all you need for installation support, whether it is online guidance or onsite assistance.	Upon request
Training	We support you with all the training needed at your club. Training is done either online or onsite for both operators and technical personnel.	Upon request
Service	We provide service agreements at different levels to secure the range with quick access to support when needed.	Upon request

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All prices are in Euro (ex VAT), and valid from 01.01.2025 til 31.12.2025.
Prices are calculated based on the exchange rate 1 € / 11.3 SEK. Deviations at 5% may affect the price list.
Handling and logistics will be extra charged and provided upon request.