

WORLD'S FIRST AUTOMATIC DESKTOP SWISS CNC LATHE

WHAT IS APSX-NANO?

APSX-NANO CNC Swiss Lathe is an affordable CNC type lathe that can machine ALUMINUM, STAINLESS STEEL, TITANIUM (Grade 5), BRONZE, BRASS, DELRIN (ACETAL), and other material with high precision.

WHAT DOES THE APSX-NANO SOLVE?

The APSX-NANO that makes precision machining affordable and easy for all. The APSX-NANO is an alternative to the traditionally expensive, overpowered and large Swiss CNC lathes used for production, R&D, prototyping, education. It is a perfect recipe for sustainable manufacturing.

WHY USE APSX-NANO?

- Wide range of material range
- Compact size: Fits in 40" X 22" space
- Low entry and setup costs
- Uncontaminated parts with only air cooling
- No drip cooling with air/alcohol mist

OUR CONTACT



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SCHEDULE A SHOWROOM VISIT

www.apsx.com/scheduling

APSX-NANO Swiss CNC Lathe
Desktop Size

APSX-CNC
NANO



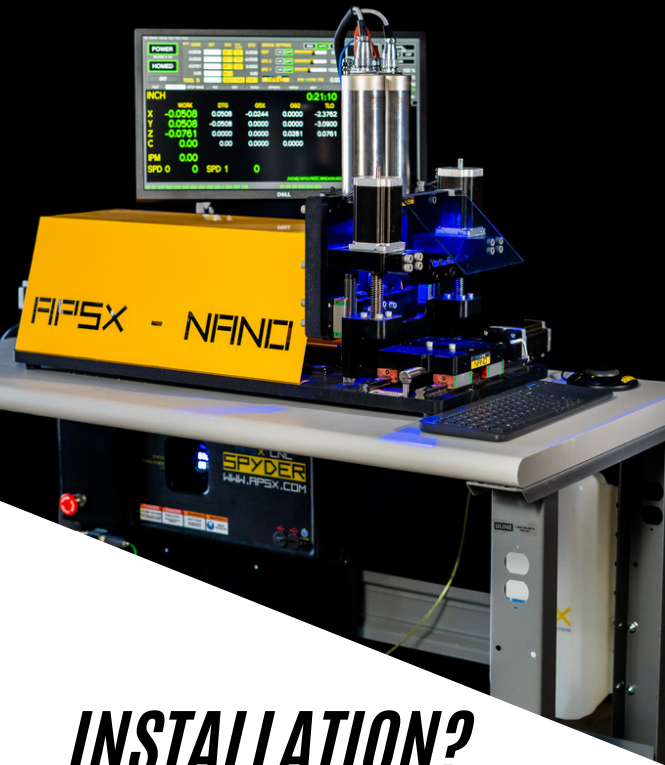
REAL PARTS IN ONE DAY

There is another way

**APSX Machines*



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INSTALLATION?

The start up process is very simple: The machine is already pre-assembled. Open the crate, place the APSX-NANO on a desk or stand, plug and start using.

Content of the crate:

- APSX-NANO CNC Swiss Lathe
- Wireless keyboard and control pendant
- Test bar stock (installed)
- Embedded motherboard - no PC required
- APSX CNC software (installed)

APSX-NANO SPECIFICATIONS

KEY FEATURES

Compact design (31" by 14" footprint)
Strong body structure with hard anodized casting tool plate aluminum
All electric motors
Teknic servo motor - 0.43 degrees resolution
Achievable machining accuracy (<.0005")
User friendly screen for operational control
Number of external (OD) tool slots: 6
Number of internal ID tool slots: 5
Live tools: 2

KEY SPECS

Default bar diameter: 0.5in (12.7mm)
Max bar stock length: 20in (508mm)
Required precision ground bar diameter tolerance -0.0005"-0"
Min. Power Supply: 115V
Warranty: 6 months
APSX CNC software is installed
Adjustable mist (coolant) on bar stock
Materials:
Stainless Steel, Titanium (Grade 5), Bronze, Brass, Steel, Aluminum, Teflon, Acetal, Nylon, Peek and others.
Max bar diameter is 0.75 inches (0.75", 0.625", 0.375" and 0.25" guide bushings)

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ADVANCE PRODUCTION SOLUTIONS



PRECISION GROUND BAR STOCK DIAMETER

Precision ground bar diameter tolerance -0.0005"-0" required. Straightness Tolerance 0.01" per ft. suggested

SWISS CNC LATHE WHEN TO USE

It is best when parts have milled and turned features that require precision machining. Swiss CNC machining allows for many milled features (flats, hex edges, slots, left hand threading etc.) to be produced during the turning process without the need for multiple setups on additional equipment, providing greater production efficiencies with one process. **When smaller, more complex parts are needed.** Typically, those parts are non-standard parts and can not be sourced directly. Examples would be tamper proof bolts, special nuts, pins, custom mechanical parts, nozzle inserts, pick and place tips, antique jewelry and watch parts, gunsmithing parts, custom knives, fasteners, rc car and drone parts.

Industries:

Aerospace, automotive, drones, firearms, medical, dental, surgicals, military and aviation.

APSX SUPPORT CENTER

apsx.com/nano-support-center