

NEW

ROYAL
PRODUCTS

2026 NEW PRODUCTS



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ROYAL MTC™ MULTI-TASKING CHUCK

A True All-in-One CNC Lathe Chuck

The Royal MTC™ is a Revolutionary 3-Jaw Chuck, Collet Chuck, and I.D. Workholding System All-in-One

NEW

No Need to Ever Change Your Chuck Again

Switching your lathe workholding as jobs demand can be a difficult process and eats up valuable production time. But no longer! With the Royal MTC™ it's a snap to change over between:

- ✓ 3-Jaw Chuck
- ✓ Quick-Grip™ CNC Collet Chuck
- ✓ I.D. Workholding System
- ✓ And much more...



Converting Between Jaw/Collet/I.D. Applications Takes Just Minutes and is Accomplished by Simply Swapping the Quick-Change Center Hub. The Chuck Body Never Needs to be Removed from the Lathe Spindle!

ROYAL MTC™ MULTI-TASKING CHUCK

A True All-in-One CNC Lathe Chuck



Setup Times Slashed

Change from jaw chuck to collet chuck to I.D. mandrel in minutes without ever removing the chuck from the spindle.

Ingenious Patent-Pending Design

Simply change out the hardened and ground TiN coated center hubs as applications require – chuck body always remains mounted to the lathe spindle.

Extreme Rigidity

Much more stable than other systems because MTC™ is a true jaw-chuck with both collet and I.D. capabilities – not a collet chuck with a heavy jaw chuck hanging off the front end.

High Accuracy

Jaw repeatability is 0.0002" – 0.0003" and the QG collet hub is guaranteed to be within 0.0003" TIR.

Great Tool Clearance

All chuck bodies are relief milled for optimized tool clearance and reduced rotational mass.



Standard Top Tooling

All Royal MTC™ chucks incorporate base jaw serrations of 60° x 1.5mm as standard. Alternative base jaws with inch serrations or quick-change configurations are available as specials.

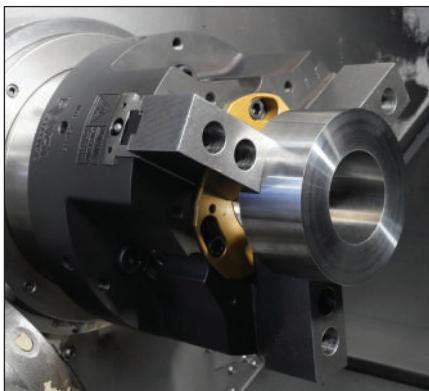
Multiple Sizes

Royal stocks the MTC™ in 8", 10", 12", and 15" versions. Backplates are available to suit all standard spindle mounts.

Unmatched Flexibility

Run virtually any job on a single CNC lathe – modular design provides the ability to seamlessly integrate additional components (5C collet adapter, face driver, etc.) as needed.

The Royal MTC™ – The Only CNC Lathe Chuck You'll Ever Need!



Jaw Mode



I.D. Gripping Mode



QG Collet Mode



ROYAL QG COMBO CHUCK

Easily Switch Between OD, ID, and 5C Applications

The Best of Both Worlds

The Royal QG Combo Chuck represents the next generation of our best-selling Accu-Length™ CNC Collet Chucks – it's a Quick-Grip™ Collet Chuck, I.D. Workholding System, and 5C Collet Chuck All-in-One!

- ✓ At its core, this is a Quick-Grip™ Accu-Length™ Collet Chuck, and because there is noz-axis movement of the collet or workpiece, the chuck is perfectly suited for both main and sub-spindle applications.
- ✓ The chuck can also be **quickly converted to an I.D. workholding system simply by attaching the nose cap and mandrel**. Changeover time takes just minutes and no adjusting of the prox switches is required.
- ✓ For very small diameter work, a 5C collet nose is also available (pullback actuation).

NEW



Customer comment –
"No need to adjust the prox switches because the chuck is always in the push mode. It is a real game-changer!"

Accu-Length™ Operation – A Very Important Royal Advantage!

Unlike other combination chucks that are based upon a pullback collet design, the Royal QG Combo Chuck is modeled on our Accu-Length™ design, ensuring precise part transfers from main to sub with no risk of z-axis part movement. This makes the Royal QG Combo chuck a much better solution for sub-spindle applications compared to the pullback models offered by others.

ROYAL QG COMBO CHUCK

Easily Switch Between OD, ID, and 5C Applications



Lightning-Fast Collet Changes

Changing collets on a Royal Quick-Grip™ collet chuck takes just a few seconds. A unique hook and groove design for securing the collet is used instead of traditional threads.

Accu-Length™ Design – A Very Important Royal Advantage

Unlike other combination chucks that are based upon a pullback collet design, the Royal QG Combo Chuck is based on our Accu-Length™ design, ensuring precise part transfer from main to sub with no risk of z-axis part movement. This makes the Royal QG Combo chuck **a much better solution for sub-spindle applications** compared to the pullback models offered by others.

Widest Collet Gripping Range

With a gripping range of 0.062" per collet, you don't need to worry if your stock is off-size.

Extreme Accuracy

Like all Royal QG Collet Chucks, accuracy is guaranteed to be within 0.0002" TIR when being used as a collet chuck, and the I.D. mandrel can be dialed in to almost absolute zero when being used as an I.D. system.



Parallel Workpiece Gripping

With all Royal QG Collet Chucks, the collet segments always remain parallel to the workpiece for full-length part engagement, enabling **much more aggressive chip removal**.

An included anodized aluminum ring protects the precision locating taper from chip exposure when using a conventional collet chuck.

Heavy-Duty Construction

All chuck components, except for the drawtube connector, are hardened to Rc 61-63 for high rigidity and durability.

Coolant Slinger

The chuck body incorporates an oversized flange to protect the machine tool spindle bearings from coolant penetration.

Bolt and Go™

The special nose cap that houses the I.D. mandrel is based upon a **precision face/taper interface to ensure near-perfect repeatability during changeovers**. The mounting taper is located on the back side of the nose and is protected from chips by an aluminum ring when the I.D. system is not being used.

Simple Installation

All Royal QG Collet Chucks include a custom-machined drawtube connector and all mounting hardware for hassle-free installation.



ROYAL RCS™ RAPID CHANGE SYSTEM

The Royal RCS™ Brings Quick-Change Workholding to Your Existing CNC Lathes and Enables You to Use the Chucks You Already Own

NEW

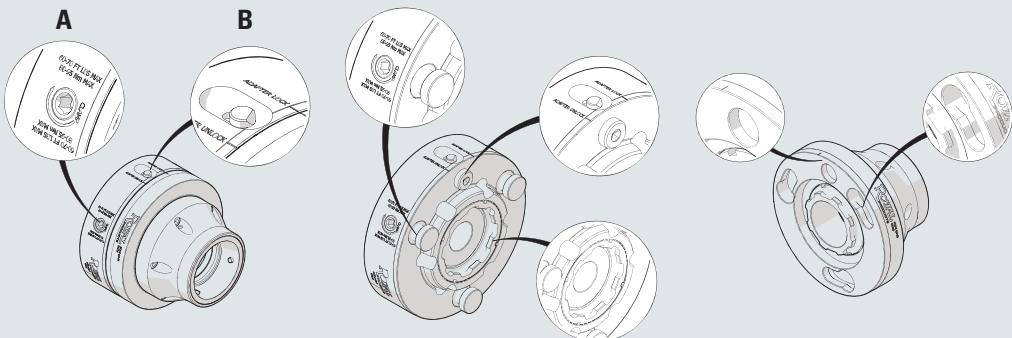


- Changing out the workholding on your CNC lathes as jobs demand can be a time-consuming hassle.
- The Royal RCS™ greatly simplifies and speeds up CNC Lathe workholding changeovers via a master receiver that mounts to the lathe spindle and quick-change subplates with integral bayonet couplers.
- The Royal Rapid Change System is **the perfect solution for job shops** because it eliminates the need to schedule work through specific machines based upon how a machine's workholding is already configured.
- Addresses workforce challenges faced by many manufacturers by simplifying the process of chuck changeovers.
- With the RCS™ you aren't locked into Royal's workholding – we can adapt the subplates and bayonet couplers to any jaw chuck, collet chuck, ID system, etc. so you can continue to use the workholding you already own, like, and trust.
- Don't wait to integrate this system into your next CNC lathe – **it's the perfect solution for increasing throughput and profitability on the machines you already own.**

Change Chucks in Less Than Five Minutes!

Here's How it Works:

1. Release cams (3) "A"
2. Push release button "B"
3. Rotate chuck 25 degrees counterclockwise
4. Remove chuck
5. Install next chuck
6. Rotate chuck 25 degrees clockwise
7. Lock cams



ROYAL RCS™ RAPID CHANGE SYSTEM



Master Receiver

Once the master receiver is mounted to the lathe spindle it never needs to be removed.

Precision Repeatability

Guaranteed to 0.0002".



Exceptional Strength

Hardened, ground, and engineered to work with both push and pull workholding devices.

Brings Quick-Change to Any CNC Lathe

A hassle-free way to **upgrade any CNC lathe for lightning-fast chuck changeovers.**



Flexible and Adaptable

Easily integrates with your existing jaw chucks, collet chucks, ID workholding, etc.



ROYAL QG COMBO POWER-BLOCK™ KEY-OPERATED COLLET FIXTURES

Three Great Workholding Options in One Fixture!

NEW



Quick-Grip™ Collet Setup



I.D. Gripping Setup



5C Collet Setup

Get More Out of Your Vertical, Horizontal, and 5-Axis Machining

- These multi-function fixtures enable you to **use Royal QG collets, Royal I.D. mandrels/sleeves, and 5C collets in your 3, 4, and 5-axis applications.**
- Manually actuated with a hex key (included).
- Many of the same great features as our QG Combo CNC Collet Chucks, including ten-second collet changes and parallel-grip collets with a full 0.062" clamping range.
- Can be used in both stationary and rotary table applications.
Caution – not for use on lathes or grinders above 5 rpm!
- Pullback design with an internally threaded backplate enables the use of a stop rod.
- Unit is supplied configured to accept Royal QG collets. For I.D. and 5C workholding, additional components are required (order separately).

How It Works



- Royal QG Power-Block™ Combo Fixtures directly accept Royal QG collets.
- For I.D. and 5C applications, a hardened and ground adapter (sold separately) is inserted and bolted to the fixture and engages with the piston via a bayonet arrangement.
- This adapter has a ground 75mm I.D. recess to accept Royal I.D. mandrels (see full catalog) or our 5C collet nose.



Odd-Shaped Parts? No problem!
Royal can supply custom collets for any configuration.



ROYAL SLV™ KEY-OPERATED 52 AND 96MM ZERO-POINT RECEIVERS

NEW



- Royal SLV™ Key-Operated Zero-Point Receivers provide an accurate, rigid, quick-change interface for our broad range of SLV™ Self-Centering Vises.
- Royal SLV™ Receivers are **100% steel construction**, hardened and ground for repeatability and durability.
- Easily mounted to vertical machining center tables, 4 and 5-axis rotary tables, tombstones, etc.
- Available in both 52mm and 96mm stud patterns for broad market compatibility (**Note** – must use Royal SLV™ studs with these receivers).
- Proprietary locking mechanism prevents loosening during machining for operator **safety, tighter part tolerances, and better surface finishes**.
- All receivers and studs in-stock for same-day shipping.

ROYAL SLV™ SELF-CENTERING VISSES



Elevated Drive Spindle
applies tremendous
clamping force because it
is positioned much closer
to the workpiece than
other vises.

Extremely Rigid Box Way
construction virtually
eliminates jaw lift/flex.

**Incredible 25X Part-Length
to Gripping-Depth Ratio
with No Part Prep!**



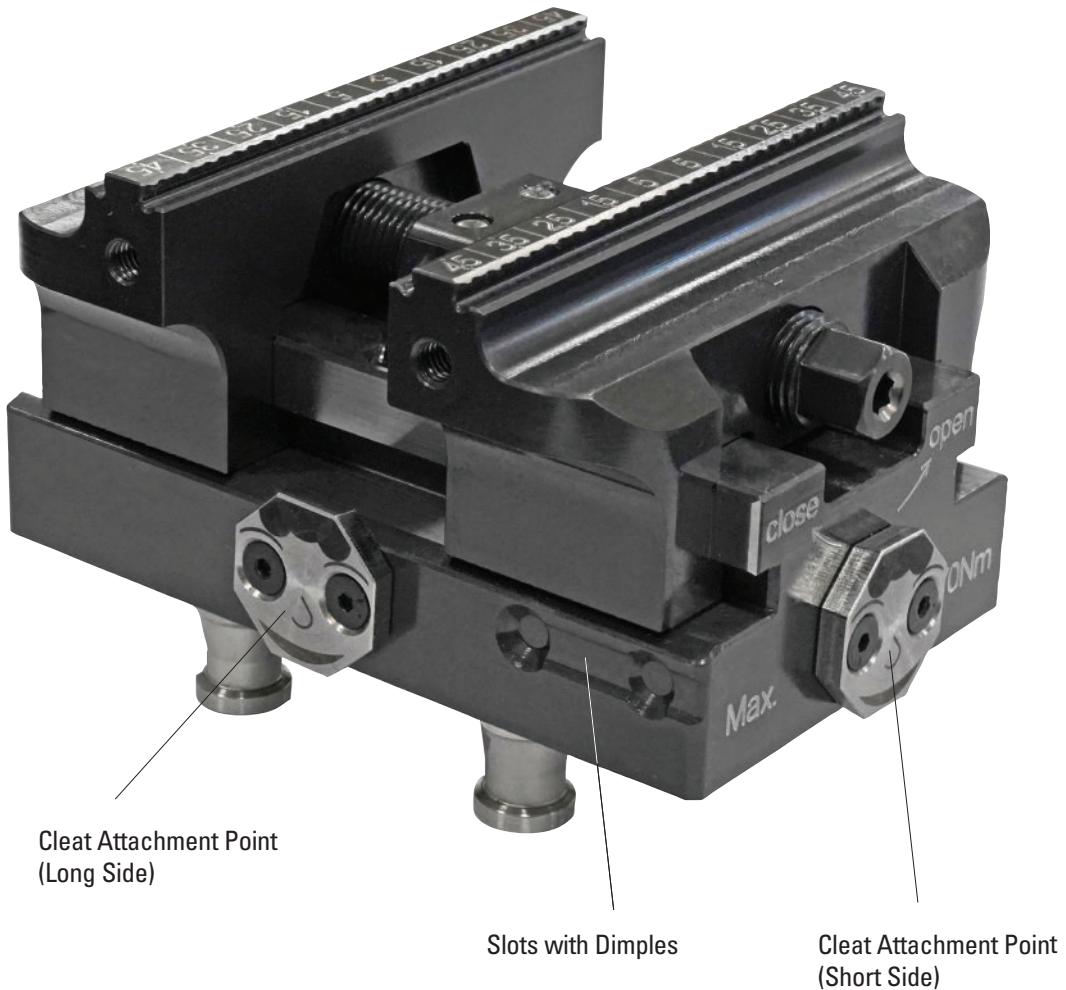
Check out the video at royalproducts.com

ROYAL SLV™ SELF-CENTERING AUTOMATION VISES



NEW

- Royal brings unprecedented part clamping to robotic load/unload applications with the new **SLV™ Automation Vise**.
- Same great design features as our standard SLV™ Self Centering Vises, but with the following additional automation elements:
 - Ability to mount a gripping cleat on either the short or long side of the vise body – **provides flexibility and increases staging density** for multi-vise automation systems.
 - Slots with dimples provide an alternative fixed datum for robot/cobot gripper engagement.
 - Body is 77mm wide and uses standard 75mm jaws for robot gripper clearance (**Note** – custom “wide-grip” jaws shown),.



Coming Soon – Visit royalproducts.com for Updates

ROYAL SLV™ ZERO-POINT AUTOMATION RECEIVER



NEW



- Royal's new SLV™ Zero-Point Automation Receiver is the perfect complement to the SLV™ Automation Vise.
- Designed for robot/cobot loading to **maximize unmanned production on your CNC machining centers.**
- Easily adaptable to 3, 4, and 5-axis applications.
- Spring-close/air-open design – no hydraulics needed.
- Pneumatic "PLUS" feature directs air to the clamp side of the piston and provides 5X additional clamping force for superior performance during aggressive chip removal.
- Receiver height is **optimized for 5-axis machining**, making risers unnecessary for most applications.
- Can be used with any workholding device that incorporates a standard 52mm stud pattern.



An Unbeatable Production Combination!

The Royal SLV™ Automation Receiver paired with the Royal SLV™ Automation Vise!

Coming Soon – Visit royalproducts.com for Updates

NEW FOR 2026

80
YEARS

Setup Time Reduction = Greater Throughput and Profitability

Let's face it – with most manufacturers now utilizing advanced cutting tool technology, it's getting increasingly more difficult to squeeze extra productivity and profit out of the cut. The opportunity for improvement is there, but it's incremental.

However, how many hours a week do your machines sit idle during changeovers? **Royal's new product additions for 2026 share a common theme – helping you slash setup times so your machines can spend more time making chips, and profits!**

Two and Four-Jaw MTC™ Chucks

We've expanded our lineup of the revolutionary MTC™ Multi-Tasking Chuck – a jaw chuck, collet chuck, and I.D. workholding system all in one. Our new two and four-jaw models are great for prismatic parts, and the four-jaw model is a true 2+2 design to ensure centering accuracy of non-square parts.



Expanded Lineup of Quick-Grip™ CNC Combo Chucks

In 2025 Royal introduced the QG-65 Combo Chuck – a CNC collet chuck and I.D. workholding system all in one unit. Thanks to tremendous customer demand, Royal has now expanded the lineup to include QG-52 and QG-80 models.



RCS™ Rapid-Change Chuck System

Already own several chucks that you'd like to quickly and easily swap on and off of your lathe spindle as jobs demand? Now you can with the Royal RCS™ Rapid-Change Chuck System. A precision master receiver permanently mounts to the lathe spindle, enabling lightning-fast chuck changeover times at a fraction of the cost of other systems.



Power-Block™ Combo Fixtures

Due to the extremely positive feedback we've received on our QG Combo Chucks for CNC lathes, we've adapted the technology to our key-operated Power-Block for machining center applications. Enables fast and easy swapping of QG collets, 5C collets, and I.D. workholding for your 3, 4, and 5-axis machining centers.



Expanded Range of Zero-Point Receivers

Building upon the success of our heavy-duty Z-Lock™ zero-point workholding system, Royal now offers receivers with the popular 52/96mm four-stud mounting arrangements. Available in both key-operated and pneumatic versions, these new zero-point receivers are the perfect solution for automated load/unload applications on your machining centers.



New Additions to Royal's SLV™ "Sturdy Little Vise" Line

Our SLV™ self-centering vises are quickly becoming the industry standard thanks to their incredible holding power and virtual elimination of jaw-lift/flex. We've introduced a new model for 2026 specifically designed for robot/cobot loading, along with additional multi-vise pyramid options designed to suit all 5-axis tilt ranges.

