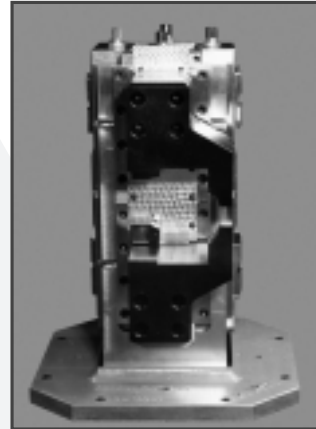


## QUAD & DUAL VERTICAL COMBINATION CHUCKS

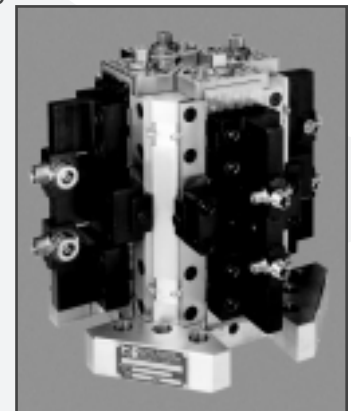
Royal Quad & Dual Vertical Combination Chucks provide unique solutions for holding up to eight parts (QVC) or four parts (DVC) for precision machining operations on your horizontal machining centers. With the base customized for your machine, the QVC/DVC chucks permit virtually continuous spindle use, drastically decrease tool changes and practically eliminate downtime for parts changing. For flexibility, the master jaws on the QVC and DVC can be set in either the self-centering or compensating mode. Swivel or compensating jaws, and a broad range of standard quick-change jaw components are available.

Unlike expensive custom fixtures designed for single jobs which can become obsolete, the QVC and DVC chucks can be used for literally hundreds of different applications. Uses of the Royal QVC and DVC chucks are limited only by your imagination.

- 5 standard chuck sizes available
- Both self-centering and compensating modes are built-in
- All guideways hardened and ground
- Side panels will accept secondary operation fixtures (DVC only)
- Holds up to 8 parts on QVC
- Base customized to fit your machine
- Standard top jaws available
- Special size models can be designed
- Can be adapted to other standard top jaw systems



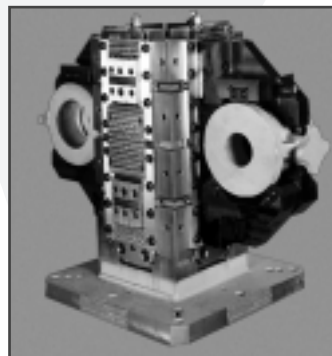
QVC 800



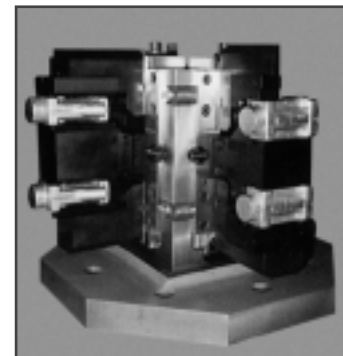
QVC 300 with master adapter jaws and inserts.



QVC 400 with double load jaws.



QVC 500 with jaws and valves in self-centering configuration.



QVC 400 with double load jaws – 1st and 2nd operation.