

EXTERNAL THREADING TOOLS



RSVP Tooling, Inc.



**Key To Your  
Threading  
Success**

# WORLD CLASS THREADING TOOLS

## ABOUT RSVP . . .

RSVP Tooling is a leading supplier of high production external threading tools. From our facility in Westmont Illinois, we distribute the widest range of thread-cutting dieheads, chasers, thread rolling attachments and thread rolls in North America. Our comprehensive inventory is supported by our dedicated 20,000 sq. ft. manufacturing division in the UK, where 60 years of threading tool production, combined with the latest CNC technology, enable us to design and deliver solutions for virtually any threading application.

## WORLD CLASS PRODUCTS

The RSVP range of thread cutting and thread rolling tools is the most extensive in North America:

**RSVP dieheads:** our 'namco-style' dieheads have long been recognised as the ultimate thread-cutting system. The concept of the circular chaser, able to produce accurate threads in a single pass still has no equal in terms of performance and cost per part. The ability to convert into a recessing or end-forming head makes the RSVP diehead an indispensable asset to industry.

**RSVP chasers:** in addition to circular chasers, we also supply a wide range of precision-ground chasers for use on geometric style dieheads.

**RSVP thread rolling:** recognised as the fastest method of producing strong, accurate threads and a requirement for safety critical parts in the aerospace and automotive industries. Our extensive range of attachments and rolls are particularly suited for use on CNC and Cam autos. Our unique interchangeable programme allows users of other rolling systems to single source all their roll requirements from our vast stock range.

## FIRST CLASS SERVICE

The RSVP commitment to customer service includes a fully comprehensive technical support program. Our in-depth knowledge of threading tools, how they are made and the machines they are used on is a highly valued resource and freely accessible to customers throughout North America.

For more information, technical support or urgent quotation, please contact us at:



**RSVP Tooling, Inc.**

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# Thread Cutting at its Best

**1 DR - 4 CHASER & DRF - 5 CHASER DIEHEADS**

Used on multi spindle automatics and rotary transfer machines.

Yoke activated outer sleeve permits quick release of chasers.

Rugged one piece body hardened and ground for unsurpassed accuracy and long life.

**2 DRSA SOLID ADJUSTABLE**

Non opening version for threading and end forming. Developed for rotary transfer and CNC machines equipped with rigid tapping.

**3 DBS - BROWN & SHARPE DIEHEADS**

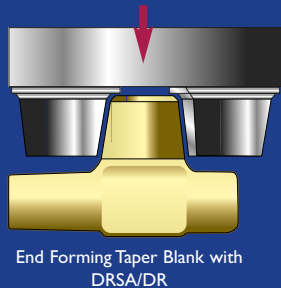
**4 DRD - DAVENPORT DIEHEADS**

**5 DS DIEHEAD**

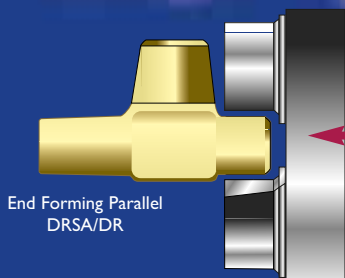
Used on non-rotating applications such as turret and capstan lathes.

The following shank options available upon request: plain ground, keyway, cross drill & reamed, 30/40 ISO taper, morse taper, tension/compression.

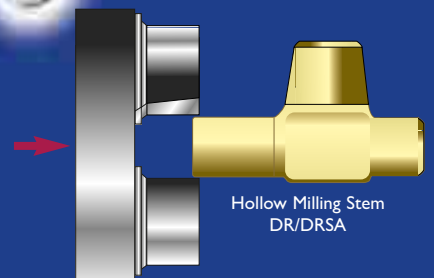
Unique circular chasers outlast plain blade style chasers. External mounting gives excellent coolant flow and chip evacuation.



End forming the taper blank on a forged fitting, prior to threading.



Plain parallel turning and chamfering.



Hollow mill turning of stem prior to forming barb.

**RSVP**

# END FORMING & RECESSING

## 4 DRSA & DRKB DIEHEADS

RSVP DRSA and DRKB heads perform both end forming and hollow milling of pipe fitting prior to threading and recessing.

**RSVP**

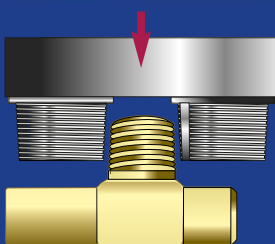
# REPLACEMENT CHASERS

## 5 GEOMETRIC CHASERS

RSVP SUPERMATIC diehead features precision ground slots and shanks to meet industry's tight tolerances.

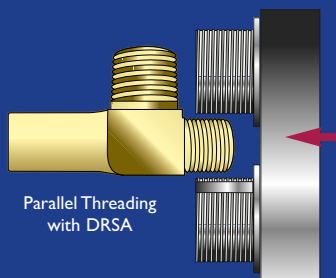
Chasers available in projection style, standard and special, ideal for:

- Longer tool life
- Close to shoulder threading
- Available with precision ground threads for the highest levels of accuracy and performance.
- Factory ground hook and chamfer to suit your job.
- Similar to other blade style heads.
- Chasers are totally interchangeable with other leading brands.



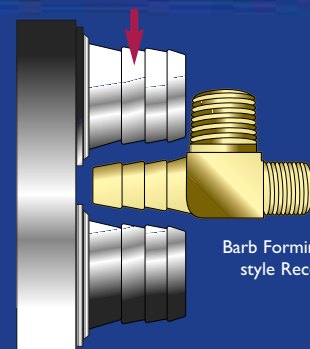
Taper Threading with Opening Diehead

Taper threading with yoke actuated DR 4 or 5 Chaser Diehead.



Parallel Threading with DRSA

Parallel threading with non-opening DRSA fitted to reversing threading spindle.



Barb Forming with DRKB style Recessing Head

Form cutting hose - barb on stem, using 3 or 4 slot DRKB (requires controlled actuation unit).

## 1 AXIAL ROLLING

The fastest method of producing accurate threads with superb finish especially on difficult to cut material. Ideal for use on CNC and conventional lathes.

## 2 TANGENTIAL ROLLING

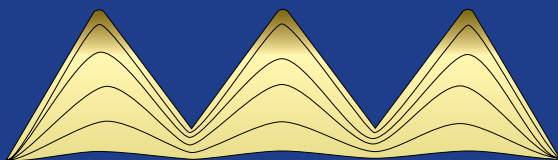
Fast thread rolling from the cross slide. Ideal for rolling short threads close to the shoulder on multi spindle and CNC lathes.

## 3 RADIAL THREAD ROLLING

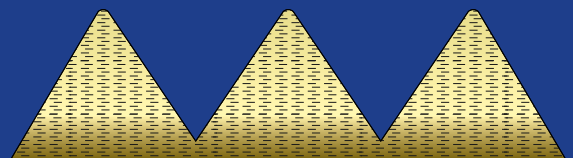
Extremely fast rolling of short threads with both stationary and rotating heads. Typical rolling times of under 0.3 seconds!

## 4 REPLACEMENT THREAD ROLLS

The widest range of high quality thread and knurling dies to suit many popular makes of rolling attachments. Our manufacturing program includes axial, tangential and radial rolls in both standard and special variations.



Grain structure of rolled thread



Grain structure of cut thread

RSVP Tooling also offers a comprehensive selection of support and second operation tooling including quick change holders, internal recessing heads, internal and external knurl holders as well as internal and external high capacity turning and broaching heads. This complement of specialty tools in conjunction with our standard product offerings afford us the ability to provide our customers with complete tooling solutions to virtually any component design.

### 1 Internal Broaching System

To produce hexagonal holes or forms without stopping the spindle.

### 2 Coolant Induced Tap Driver

Put coolant to the cutting edge and increase cutting tool life and improve the quality of your thread.

### 3 Coolant Induced Circular Chaser System

Put external threads on in one pass, reduce cycle time and maximize tool life.

### 4 Rollerbox Tooling

Turns long parts down quickly and accurately in one pass.

### 5 Spline Rolling Heads

Synchronized spline and serration rolling heads.

### 6 Internal Recessing System

Pilot bore tool for internal grooves, undercuts and reliefs.

### 7 Safe-Torque Tap Driver

Preset spindle torque to reduce tap breakage.

### 8 Straddle Type & Bump Style Knurling Heads

### 9 Adjustable 3-Point Roller Steady System

For supporting work pieces during forming and center drilling operations and burnishing.

### 10 Spindle Align Precision Drill Holder

The expanding shank makes it quick change with minimal run out, equipped with ER collet system for versatility and accuracy.

### 11 Internal Knurling & Spline Rolling Holder

