



- PREMIUM QUALITY
- UNSURPASSED SERVICE
- EXCEPTIONAL DELIVERY



HYDRAULIC DRILLING & TAPPING UNITS

**MOST POWERFUL UNITS
IN THE WORLD FOR THEIR SIZE**

2nd Edition



AAA Products International

FLUID POWER VALVES - *Jiffy* PRODUCTS

Dear Manufacturers,

You probably know that more and more U.S. manufacturing is being done out of our country. This can affect your profits, but you can do something about it.

Here is some simple tooling you can do at a relatively small cost that can help you retain most of your business. Are you aware that large part of the production machining done in this country is done on CNC machining centers? Most manufacturers use them, both in the USA and abroad. Machining centers drill and tap from one side of a part at a time. The answer is for you to drill and/or tap your parts from more than one side at a time. If you drill or tap on 2 sides of a part simultaneously, you can double the output, 3 sides at a time will triple your output, etc. and multiple spindle drill or tap heads help even more.

We use AAA Products **Jiffy-Tap** units in our plant, where we tap 17 holes in 5 sides of our 3/8 inch aluminum air valve body (5 of the holes are 3/8" NPTF and 12 are 10-24). The total time floor to floor is 5 seconds. That's 204 precision tapped holes per minute! The total cost of the machine, built in our shop using **Jiffy-Tap** units, is a fraction of the cost of one small CNC machining center. We have been using this machine daily since 1982 and have not had to perform any repair work on the **Jiffy-Tap** units, hydraulic power unit, hydraulic valves, nor the hydraulic motors. The machine is built using cold rolled steel bars and steel angle iron. Our AAA **Jiffy** units have been in production since 1981 and are being used in many of the largest high production manufacturing plants.

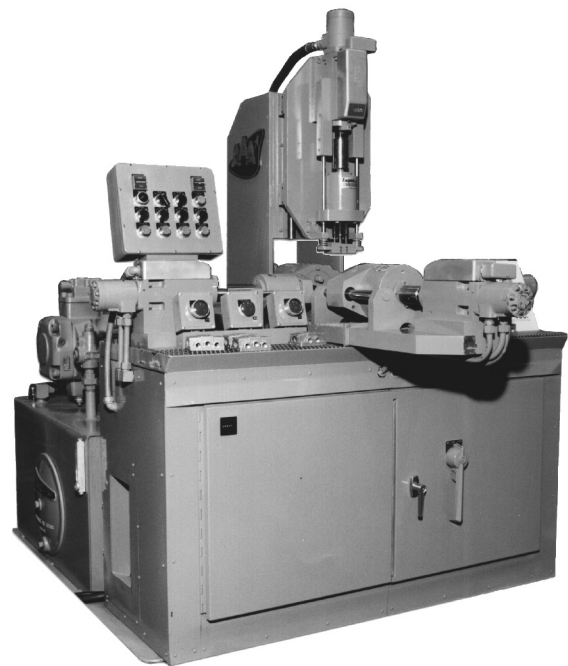
For most jobs, you can mount the **Jiffy** drilling or tapping units on a angle iron frame, and can change them from one frame to another in a few minutes to drill from 1/8" through 1-1/2" in steel or precision lead screw tapping from 4-40 through 1-1/2" diameter in steel. There is no complex maintenance in using the **Jiffy** units, and these simple machines can be operated and maintained with an unskilled operator. (This is not the case with machining centers.) With the **Jiffy-Tap** units, all holes are tapped to exact depth, and there are no thread depth problems as with clutch type tappers.

Jiffy-Tap is the only precision lead screw tapping unit in the world that can be changed from one size and/or thread pitch to another in 5 minutes. (Change from a 6-32 to 1-1/2 NC or metric equivalent.)

You can not compete with foreign manufacturers with the same machines that they use. Foreign labor and overhead is a small fraction of your cost here in the USA.

If we can answer any questions, or provide you with more information, please call us at 214-357-3851. Ask for a free video. "We can help you."

Sincerely,
AAA Products International
R.C. Womack
President



Simple17 Tapper - 20 times more production than a machining center at a fraction of the investment (shop built: 4-1/2' width x 7' depth)

Find out for yourself why Jiffy-Drills and Jiffy-Taps are the best in the world!

We, at AAA Products International, are committed to provide our customers with superior products of premium quality.

AAA Products International manufactures the most powerful, compact, dependable and affordable drilling and tapping units available today. We invite you to put them on your toughest jobs.

We pride ourself in our ability to supply special customer specific products to fit their unique applications. We invite you to join with us to help you solve your production challenges. We promise unsurpassed customer service, exceptional delivery and competitive prices.

CATALOG CONTENTS

Additional Products	67	Internal Stroke Limiter, <i>Jiffy-Drill</i>	13
Alternate Feed Ports, <i>Jiffy-Drill</i>	13	Maintenance, <i>Jiffy-Drill</i>	23
Auto-Reverse Spindle, <i>Jiffy-Tap</i>	36	Maintenance, <i>Jiffy-Tap</i>	45
Chuck Styles, <i>Jiffy-Tap</i>	30	Model Numbering Code	5
Coolant Resistant Sensors, <i>Jiffy-Tap</i>	36	Parts List, <i>Jiffy-Drill</i>	25
Dimensional Drawing, <i>Jiffy-Drill</i>	26	Parts List, <i>Jiffy-Tap</i>	47
Dimensional Drawing, <i>Jiffy-Tap</i>	48	Power Units, EA-Series	50
Drilling Unit, <i>Jiffy-Drill</i>	6	Pre-wired Cord and Connector, <i>Jiffy-Drill</i>	13
Drive Styles, <i>Jiffy-Drill</i>	10	Pre-wired Cord and Connector, <i>Jiffy-Tap</i>	37
Drive Styles, <i>Jiffy-Tap</i>	32	Reference Data Section	59
Electric Drive, <i>Jiffy-Drill</i>	10	Sample Operations, <i>Jiffy-Drill</i>	16
Electric Drive, <i>Jiffy-Tap</i>	32	Sample Operations, <i>Jiffy-Tap</i>	40
Extended Stroke Unit, <i>Jiffy-Tap</i>	35	Sizing a Unit, <i>Jiffy-Drill</i>	19
External Shaft, <i>Jiffy-Drill</i>	11	Sizing a Unit, <i>Jiffy-Tap</i>	41
External Shaft, <i>Jiffy-Tap</i>	33	Spindles, <i>Jiffy-Drill</i>	8
Features at a Glance, <i>Jiffy-Drill</i>	6	Spindles, <i>Jiffy-Tap</i>	30
Features at a Glance, <i>Jiffy-Tap</i>	28	Spindles Quick Change, <i>Jiffy-Tap</i>	35
Hydraulic Drive, <i>Jiffy-Drill</i>	10	Standard Setup, <i>Jiffy-Drill</i>	14
Hydraulic Drive, <i>Jiffy-Tap</i>	32	Standard Setup, <i>Jiffy-Tap</i>	38
Hydraulic Motors, <i>A-Series</i>	54	Tapping Unit, <i>Jiffy-Tap</i>	28
Hydraulic Motors, <i>B-Series</i>	55	Taps, Standard Dimensions	63
Hydraulic Motors, <i>M-Series</i>	53	Unit Options, <i>Jiffy-Drill</i>	12
Hydraulic Motor Quick Change, <i>Jiffy-Drill</i>	12	Unit Options, <i>Jiffy-Tap</i>	34
Hydraulic Motor Quick Change, <i>Jiffy-Tap</i>	34		

Catalog No. JCAT2 • ©2004 by AAA Products International • All rights reserved.



National
FLUID POWER
Association
MEMBER

AAA PRODUCTS INTERNATIONAL

7114 Harry Hines Blvd. - Dallas, Texas 75235-0482

Phone: (214) 357-3851 - Telefax: (214) 357-7223

E-Mail: info@aaaproducts.com - <http://www.aaaproducts.com>

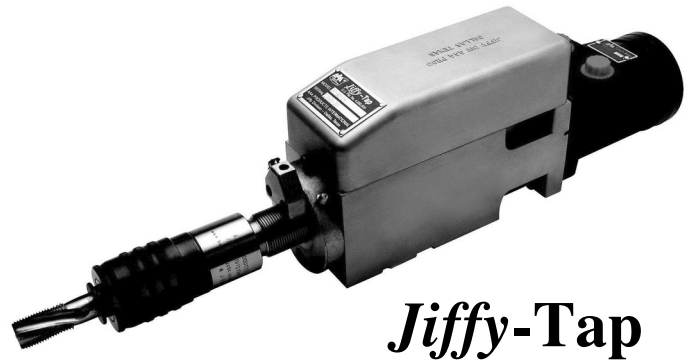
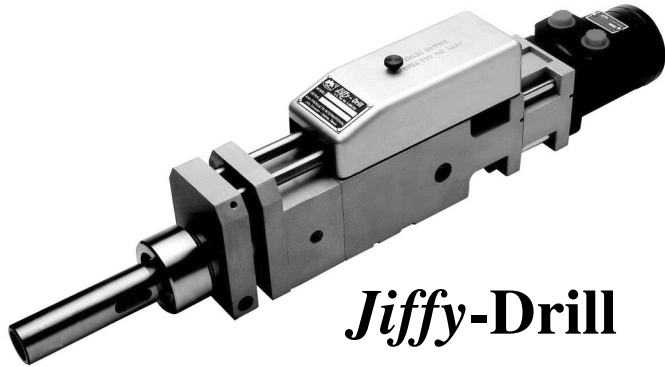


American National
Standards Institute
MEMBER

See Bulletin A-266 for the location of your authorized AAA distributor.

AAA PRODUCTS INTERNATIONAL

Jiffy UNITS



OPERATIONAL ADVANTAGES OF *Jiffy* PRODUCTS

1. High strength aluminum alloy body.
2. 1"- 6 spline ETD-150 steel alloy drive.
3. Hardened drive spindle and sleeve for long life.
4. Precision ground drive components.
5. Heavy duty hydraulic motors. Quick change motors available.
6. Four large, 1/2"-13 mounting holes.
7. 5/8" x 3/32" deep alignment cross keyways precision milled for easy alignment.
(Easily move units from one machine to another.)
8. Optional 8 pin plug-in cable with/without 12 foot cord.
9. No proprietary power unit configuration required.

ADVANTAGES SPECIFIC TO *JIFFY-DRILL*

1. The *Jiffy-Drill* has a piston quill that is one piece, precision ground with special wear resistant and corrosion resistant coating. Quill is equipped with long life, anti-galling wear rings.
2. Can be setup for rapid advance, rapid retract or skip drilling.
3. All internal parts have a special long-wear, corrosion resistant coating.
4. Safety interlock switch.
5. Large variety of spindle adaptors including Morse female tapers, ASA, and Jacobs types.
6. Easily handles 1-1/2" drilling capacity in steel. Will drill 1-3/4" in mild steel.
7. Can be used as a screw or plug driver using depth or torque retraction signal.

ADVANTAGES SPECIFIC TO *JIFFY-TAP*

1. 1-5/16" diameter ETD-150 steel alloy lead screw.
2. Grease fitting on lead screw nut, and oiler on lead screw wiper assembly for easy lubrication and extended life.
3. #4 Jacobs taper for true chuck alignment. Additional chuck features are:
 - A) Chuck is secured with 1/4" socket head cap screw.
 - B) 808 Woodruff key prevents rotation.
4. Optional Lead Screw quick change is available.
5. Optional Lead Screw auto reverse is available.

