

# NEWS RELEASE

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## 2000 ANNUAL FORGING INDUSTRY SALES RELEASED BY FORGING INDUSTRY ASSOCIATION

*Sales maintain 1999's levels; orders climbed*

CLEVELAND, OHIO -- Final revised figures showing 2000 sales of metal forgings produced by independent (custom) forging plants in the United States, Canada and Mexico have been released by Forging Industry Association (FIA). Figures are broken out by the three major forging processes.

### CUSTOM FORGING INDUSTRY SALES IN NORTH AMERICA\* (encompassing all metals forged in millions of U.S. \$)

<u>Year</u>	<u>Impression Die</u>	<u>Open Die</u>	<u>Seamless Rings</u>
<b>2000</b>	<b>4794.7</b>	<b>745.1</b>	<b>606.6</b>
1999	4637.5	725.2	607.7
1998	4842.9	874.9	751.0
1997	4584.8	898.3	671.7
1996	3816.2	860.7	506.3
1995	3625.8	817.2	455.3
1994	3322.9	716.8	383.8
1993	2793.6	678.4	347.4
1992	2812.2	658.8	399.8
1991	2796.9	738.0	438.5
1990	3021.1	802.0	476.3

## **CUSTOM IMPRESSION DIE FORGING**

Total industry shipments for the custom impression die forging industry improved to \$4,794,703,000 in 2000, 3% above the \$4637,507,000 reported in 1999. Bookings of impression die forging orders during 2000 increased to \$5,001,474,000, 23% above the 1999 figure of \$4,080,970,000. The automotive sector (passenger cars/light trucks/SUV's and parts) made up the largest percentage of impression die industry sales at 34.5%, down from 35.8% in 1999. Aerospace applications (including engines, aircraft parts, auxiliary equipment and guided missiles and space vehicles) composed the second largest segment at 29%, up from 27.1 % in 1999.

## **CUSTOM OPEN DIE FORGING**

Total industry shipments by the custom open die forging industry in 2000 improved to \$745,092,000, 2.7% above 1999's volume of \$725,249,000. Bookings of open die forging orders during 2000 amounted to \$776,280,000, 6% above the \$731,427,000 in 1999. In 2000, construction, mining and materials handling equipment remained the leading open die market segment with 13.8% of total industry sales, decreasing from 14.4% in 1999. Steel works, blast furnaces and rolling & finishing mills was the second largest market category, accounting for 13.0% of total open die industry sales in 2000, also slightly down from 13.3% in 1999. Aircraft and parts accounted for 9.3% of industry output, down from 9.7% in 1999.

## **CUSTOM SEAMLESS ROLLED RING FORGING**

Total 2000 industry shipments for the custom seamless rolled ring forging industry dipped to \$606,576,000, just below 1999's volume of \$607,689,000. Bookings of seamless rolled ring forgings during 2000 climbed 14% to \$627,931,000, compared to 1999 bookings of \$552,558,000. Aerospace engines and engine parts accounted for the majority of seamless rolled rings produced, with a market share of 50.3% in 2000 vs. 50.8% in 1999. The ball and roller bearing market for seamless rolled ring forgings grew to 9 % in 2000 compared to 8.5% in 1999.

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*\* NOTE: FIA's Annual Report of industry sales is based on information compiled from companies believed to have produced over 86% of 2000's total custom forging sales. The report is statistically treated to represent 100% of industry shipments in the custom forging industry. Figures quoted in this release do not include forgings produced for captive use or standard catalog products. Components produced via the cold forging process are also excluded from this report.*

***FORGING INDUSTRY ASSOCIATION, with headquarters in Cleveland, Ohio, is comprised of over 150 North American producers of forged metal components, accounting for about 64% of the custom forging volume produced annually. Forged metal parts are pressed, pounded or rolled into countless configurations, and used for critical applications in the aerospace, automotive, construction, materials handling, ordnance, hand tool, agricultural and industrial equipment industries -- to name a few! Some 85 firms supplying equipment, materials or technical services to the forging industry are also members of FIA. The Association, with its predecessor organizations, has served the metal forging industry since 1913.***

***For more information on metal forging processes, the forging industry or FIA member companies, visit the forging industry website at [www.forging.org](http://www.forging.org).***