

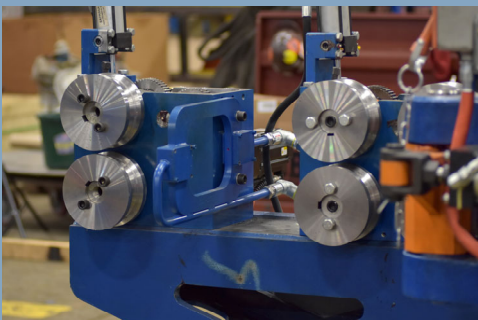


SOLID DIE BALL FORGING MACHINES FOR GRINDING / MINING BALL MANUFACTURING



New 3 inch Solid Die Forging Machine (shown without guards)

Servo-driven infeed rolls with bar end measurement system



Variable speed drive



Double Helical Gear

Disc Brake





Ajax-CECO's Continuous Motion Solid Die Forging Machines are designed for the rapid production of single blow forgings, such as solid steel balls used for mining / grinding media by the mining industry. Our machines produce a forging at each revolution, effecting very high production and profitability.

The operation consists of continuously heating a stock bar of the correct diameter that is directly fed into the machine to the correct length. On each successive stroke of the machine the end of the bar is sheared and simultaneously transferred into the die cavity then, forged to shape and ejected as a completed forging. Ejector systems on both the stationary and header die insure part ejection during the forging process.

Accurate control of all forging parameters allows for flash-less manufacturing of mining / grinding balls.

Our machine sizes are based on the largest stock diameter that may be sheared to accurately forge specific size balls in a given size machine (i.e., our 2" machine can shear up to 2" diameter **bar**, and so on.)

SPECIFICATIONS		2"		3"		4"	
MACHINE SPEED	SPM	85 - 80		45 - 60		35 - 43	
HEADERSLIDE STROKE	IN/mm	7	177.8	11.25	285.75	11.25	285.75
SHEAR SLIDE STROKE	IN/mm	5	127	8	203.2	8	203.2
FLOOR SPACE L/R x F/B	IN/mm	97 x 141	2464 x 3581	126 x 171	3200 x 4343	130 x 175	3302 x 4445
MOTOR HORSEPOWER	HP/KW	30	22.05	60	44.1	75	55.125
APPROX. WEIGHT	LBS/KG	46000	101411.6	74000	163140.4	95000	209437
ECCENTRIC PIN DIAMETER	IN/mm	9.5	241.3	11.5	292.1	13.5	342.9
JOURNAL DIAMETER	IN/mm	7	177.8	10	254	12	304.8
MAX BALL DIAMETER	IN/mm	3.5	63.5	4.5	114.3	5.5	139.7
MAX SHEAR CAPACITY	LBS/KN	28,000	124,544	85,500	380,304	85,500	380,304
MAX SHEAR CAPACITY (BAR DIA)	IN/mm	2	44.45	3	76.2	4	101.6
HEADING CAPACITY	TON/MN	400	3.5584	600	5.3376	800	7.1168

29100 Lakeland Boulevard
Wickliffe, OHIO 44092 USA
www.ajax-ceco.com

FORGING INNOVATION
CUSTOM ENGINEERED SOLUTIONS

PHONE: 440.295.0244
USA TOLL FREE: 800.451.2326
Info-Sales@Ajax-CECO.com