

**Abbey Etna
Rotary Swagers
by Jerl Machine**



Jerl machine, inc.

Precision, Quality Experience

The Abbey Etna Machine Company, established in 1901, built rotary swagers for decades earning an industry wide reputation for quality, dependability and endurance. In 2002, Jerl Machine, Inc. acquired the Abbey Etna line of rotary swagers and continues the tradition of excellence and durability.

**Features of the
Abbey Etna
Rotary Swager**

- * Heavy duty
- * Highly standardized
- * Capable of long tapers in a single pass
- * Reduces, sizes and forms round tubes and solids
- * Hot swaging
- * Semi-automatic feed systems
- * O.D. and I.D. holding services
- * Roll type feeds
- * Die closing attachments, used for center reductions



Rebuild Programs

Rotary Swager Specifications:

1. The 150 swager is also available with a 3.000" wide die slot. The max. tube capacity is light gauge 2.000". The motor spec is 10 hp.
2. The 190 series max. tube capacity of 2.250" applies to light gauge tube only.
3. The 190 through 600 series swagers are available as two (2) or four (4) die units.
4. The 900 series swager which has a 8.000" max. tube capacity and a 4.000" max. solid capacity with an 8" to 16" die length.
5. The specifications shown above are typical of two (2) die swagers.



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MODEL #	30	70	100	150	190	200	300	400	600
Max. Tube Capacity	.375"	.750"	1.000"	1.500"	2.250"	2.000"	3.000"	4.000"	6.000"
Max. Solid Capacity	.187"	.375"	.500"	.750"	.875"	1.000"	1.500"	2.000"	3.000"
Width of Die	1.000"	1.375"	1.875"	2.500"	3.000"	3.250"	4.500"	5.750"	8.500"
Thickness of Die	.750"	1.125"	1.125"	1.625"	1.875"	2.250"	3.250"	3.750"	6.000"
Number of Rolls	10	10	10	16	18	18	20	20	20
Diameter Cage Roll	1.125"	1.437"	1.562"	1.963"	2.125"	2.375"	2.718"	3.303"	4.800"
Center Height	36"	36"	36"	36"	38"	40"	42"	42"	44"
Overall Height	42"	47 ¹ / ₈ "	52"	54"	56"	86 ³ / ₈ "	95 ³ / ₄ "	97 ¹ / ₂ "	116"
Flywheel Diameter	10 ³ / ₈ "	20"	28 ¹ / ₂ "	31 ⁵ / ₈ "	31 ⁵ / ₈ "	41 ¹ / ₈ "	47 ³ / ₄ "	53 ³ / ₄ "	63 ¹ / ₄ "
Flywheel Face	2 ³ / ₁₆ "	4"	4 ¹ / ₂ "	5"	5"	6 ¹ / ₂ "	9"	10 ³ / ₄ "	17"
Dia. Hole Through Spindle	5/8"	1 ¹ / ₁₆ "	1 ⁵ / ₁₆ "	1 ¹ / ₄ "	2 ⁹ / ₃₂ "	2 ⁹ / ₁₆ "	3 ³ / ₁₆ "	4 ¹ / ₄ "	6 ¹ / ₂ "
Wt. Machine Skidded (LBS)	700	1430	2530	4500	6500	11250	19000	23400	44000
Motor RPM	1800	1750	1750	1150	1200	1150	860	690	575
Spindle RPM	600	400	375	200	200	175	165	145	120
Motor HP	1	2	3	7.5	15	15	25	40	75
Hammer Blows Per Minute	6000	4000	3750	3200	3780	3150	3300	2900	2400
Die Lengths Available	1"-2"	2"-6"	3"-6"	4"-18"	6"-18"	6"-16"	6"-16"	6"-24"	8"-18"

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