

Dual Column CNC Enclosed Production Saws



DoALL DC-510CNC Hercules™
Enclosed Band Saw
– 20 x 20" Capacity

HERCULES™

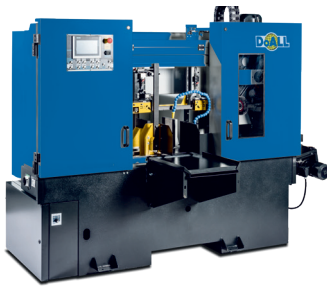
The DoALL Hercules™ series of high production, horizontal Computer Numerically Controlled (CNC) band saws from DoALL are highly efficient, automatic, hydraulically controlled machines with multiple material feeds. In addition, the “box” or enclosed design provides very safe operation.

DoALL offers a variety of saws with capacities up to 40". Designed for vertical cuts, they are ideal for serial production in industrial settings. A large variety of optional accessories are available to customize the machine for specific sawing requirements.



Solutions for ALL Your Sawing Needs

HERCULES™



DoALL DC-300CNC Hercules
Dual Column Enclosed Band Saw
– 12 x 12" Capacity



DoALL DC-400CNC Hercules
Dual Column Enclosed Band Saw
– 16 x 16" Capacity



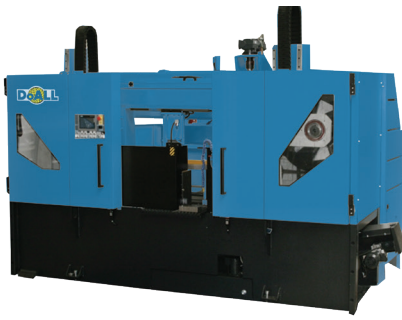
DoALL DC-510CNC Hercules
Dual Column Enclosed Band Saw
– 20 x 20" Capacity

12 to 20" Capacity Saws

DoALL Model Number	DC-300CNC	DC-400CNC	DC-510CNC
Additional DoALL Group(s)	Horizontal Hercules	Horizontal Hercules	Horizontal Hercules
Warranty	Parts/Service	Parts/Service	Parts/Service
Warranty Length	1 year standard	1 year standard	1 year standard
Capacity Rectangle at 90° WxH	12 x 12" (300 x 300mm)	16 x 16" (400 x 400mm)	20 x 20" (510 x 510mm)
Capacity Round at 90°	12" (300mm)	16" (400mm)	20" (510mm)
Blade Drive Motor	5 hp (4kW)	7.5 hp (5.6kW)	10 hp (7.5kW)
Blade Speeds	65-328 fpm (20-100mpm)	65-328 fpm (20-100mpm)	50-262 fpm (15-80mpm)
Maximum Blade Diameter	178" (4520mm)	220" (5580mm)	238.5" (6060mm)
Blade Widths & Gage	1.25 x 0.042" (34x1.1mm)	1.25 x 0.05" (41x1.3mm)	2 x 0.063" (54x1.6mm)
HMI Controller	Siemens	Siemens	Siemens
Standard Indexer or Shuttle Length	1.6' ft (0.49m)	1.8 ft (0.55m)	2.2 ft (0.67m)
More Information Found at	www.doallsaws.com/dc-300cnc	www.doallsaws.com/dc-400cnc	www.doallsaws.com/dc-510cnc
Material Pass Line Height	31-1/2" (800mm)	30-1/2" (775mm)	31-1/2" (800mm)
Floor Space Required	87 x 82 x 85" (2200 x 2080 x 2140mm)	117 x 103 x 87" (2970 x 2600 x 2200mm)	122 x 95 x 103" (3100 x 2400 x 2600mm)
Weight	3131 lbs (1420kg)	6040 lbs (2740kg)	13713 lbs (6220kg)
Blade Guides	Bimetal or Carbide	Bimetal or Carbide	Bimetal or Carbide
Feed System	Hydraulic Control	Hydraulic Control	Electric ball screw
Hydraulic Pump	1 hp (0.75kW)	2 hp (1.5kW)	2 hp (1.5kW)
Coolant Pump	1/4 hp (0.12kW)	1/4 hp (0.12kW)	1/4 hp (0.12kW)
Coolant Tank Capacity	5.25 gal (20 lit)	10.5 gal (40 lit)	13.25 gal (50 lit)
Auto Index Single Stroke Min-Max	0.2-19.9" (5-505mm)	0.12-21.7" (3-550mm)	0.12-26.4" (3-670mm)
Auto Index Multiple Stroke Min-Max	394" (9999mm)	394" (9999mm)	394" (9999mm)
Maximum Nesting Capacity at 90° (wxh)	11.8 x 8.7" (300 x 220mm)	15.8" x 9.8" (400 x 250mm)	19.6 x 17.7" (500 x 450mm)
Minimum Nesting Capacity at 90° (wxh)	1.2" (30mm)	3.3" (85mm)	3" (75mm)
Feed Force	Hydraulically Controlled	Hydraulically Controlled	Hydraulically Controlled
Multiple Feed	393.7" (9999mm)	393.7" (9999mm)	393.7" (9999mm)
Upper Wheel Adjustment	20° band wheel layback	20° band wheel layback	20° band wheel layback
Numeric Control Program Capacity	Yes	Yes	Yes
Remnant Length Drop	2" (50mm)	2" (50mm)	2" (50mm)

Features and Benefits:

- True dual column design with high rigidity for outstanding cutting performance and life
- Designed for cutting solid bars
- Enclosed design for high levels of operator safety
- Use of planetary design gearbox for better efficiency and more useable torque in a smaller footprint
- 20 degree band wheel "layback" design for more efficient operation
- Small floor space required
- Blade is located between the front and back work holding vises
- Standard chip conveyors
- Easy to use operator interface



Hercules II DC-620CNC
Dual Column Enclosed Band Saw
- 24 x 22" Capacity



DoALL DC-750CNC Hercules
Dual Column Enclosed Band Saw
- 28 x 30" Capacity



DoALL DC-1000CNC Hercules
Dual Column Enclosed Band Saw
- 33 1/2 x 40" Capacity

28 to 40" Capacity Saws

DoALL Model Number	DC-620CNC	DC-750CNC	DC-1000CNC
Additional DoALL Group(s)	Horizontal Hercules II Ball Screw	Horizontal Hercules	Horizontal Hercules
Warranty	Parts/Service	Parts/Service	Parts/Service
Warranty Length	1 year standard	1 year standard	1 year standard
Capacity Rectangle at 90° WxH	24 x 22" (620 x 550mm)	28 x 30" (700 x 750mm)	33.5 x 40" (850 x 1000mm)
Capacity Round at 90°	22" (550mm)	28" (700mm)	33.5" (850mm)
Blade Drive Motor	20 hp (15kW)	15 hp (11.1kW)	15 hp (11.1kW)
Blade Speeds	50-500 fpm (15-150mpm)	50-262 fpm (15-80mpm)	50-262 fpm (15-80mpm)
Maximum Blade Diameter	302.25" (7680mm)	303" (7680mm)	374" (9490mm)
Blade Widths & Gage	2 x 0.063" (54 x 1.6mm)	2.625 x 0.063" (67 x 1.6mm)	2.625 x 0.063" (67 x 1.6mm)
HMI Controller	Siemens	Siemens	Siemens
Standard Indexer or Shuttle Length	Info coming soon	3.28 ft (1m)	3.28 ft (1m)
More Information Found at	www.doallsaws.com/dc-620cnc	www.doallsaws.com/dc-750cnc	www.doallsaws.com/dc-1000cnc
Material Pass Line Height	31-1/2" (800mm)	24.2" (615mm)	24.4" (620mm)
Floor Space Required	157 x 91 x 115" (3980 x 2300 x 2900mm)	286 x 159 x 103" (7250 x 4030 x 2600mm)	246 x 161 x 128" (6230 x 4080 x 3250mm)
Weight	17052 lbs (7735kg)	27558 lbs (12500kg)	30204 lbs (13700kg)
Blade Guides	Bimetal or Carbide	Bimetal or Carbide	Bimetal or Carbide
Feed System	Automatic Hydraulic	Hydraulic Control	Hydraulic Control
Hydraulic Pump	5.4 hp (4kW)	5.4 hp (4kW)	5.4 hp (4kW)
Coolant Pump	0.2 hp (0.155kW)	0.2 hp (0.155kW)	0.2 hp (0.155kW)
Coolant Tank Capacity	Info coming soon	52.8 gal (200 lit)	56.8 gal (215 lit)
Auto Index Single Stroke Min-Max	0.12-29.5" (3-750mm)	0.12-27.5" (3-700mm)	0.12-39.4" (3-1000mm)
Auto Index Multiple Stroke Min-Max	394" (9999mm)	394" (9999mm)	394" (9999mm)
Maximum Nesting Capacity at 90° (wxh)	13.75 x 22" (350 x 550mm)	29.5 x 17.7" (750 x 450mm)	39.37 x 24" (1000 x 610mm)
Minimum Nesting Capacity at 90° (wxh)	3" (75mm)	4.5" (115mm)	4.5" (115mm)
Feed Force	Hydraulically Controlled	Hydraulically Controlled	Hydraulically Controlled
Multiple Feed	393.7" (9999mm)	393.7" (9999mm)	393.7" (9999mm)
Upper Wheel Adjustment	Info coming soon	20° band wheel layback	20 degree band wheel layback
Numeric Control Program Capacity	Yes	Yes	Yes
Remnant Length Drop	2" (50mm)	2" (50mm)	2" (50mm)



Servo feed control system



Control panel for lift roller assembly

Standard Equipment on most models:

- Siemens saw control
- Work light
- Work height sensor
- Power-driven, band brush
- Hydraulic band tension
- Worm chip conveyor
- Automatic feed control with programmable feed rates
- Automatic guide arm setting
- Automatic retraction of material in cycle for protection of carbide blades
- Dual acting index vice jaws for crooked stock
- Flood coolant
- Tool kit
- Complimentary DoALL cutting fluids package
- One DoALL bi-metal saw blade
- Instruction and parts manuals
- Incremental indexing
- Over feed protection

Visit www.DoALLsaws.com for most accurate information on standard equipment and accessories

Accessories/Options available on most models:

- Retractable stationary machine vice jaw
- Laser edge finder - eliminates trim cut
- Out of square detection
- Mist-style saw band lubrication
- Laser line generator
- Cut piece collection box with drain
- Chip pan with drain
- Handle for chip pan or collection box
- Front and rear vise nesting - Set of 2
- Input or output roller conveyor with drip pan
- Output conveyor for angle cuts
- Heavy-duty input or output roller conveyor with drip pan
- Hydraulic lift roller conveyor
- Vertical hold downs
- Single fixed or movable side vertical guide roller
- Heavy-duty input or output roller table
- Additional conveyor rollers
- Wear parts service kit
- Automatic feed to cutting zone
- Profile feeding
- Variable vise pressure control - Set of 2



Blade change locking system



Electrical components panel



Digital readout back gauge



Power lift roller