



WET PROCESSING SYSTEMS

Precision Dyeing Equipment



U.S.A.

ISO 9001:2015 Certified
(Quality Management System)

All Braun Products are Proudly
Manufactured in the U.S.A.

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WET PROCESSING SYSTEMS



Braun Dye-Extractors provide the highest degree of precision, speed, economy, and confidence.

Braun Dye-Extractors are available in multi-pocket Top/Side Loader (TSL) models. Each provides the highest degree of precision, speed, economy, and confidence available on the market today. Braun Dye-Extractors also offer savings on time, water, energy, floor space, and labor.

BRAUN DYE-EXTRACTOR FEATURES

INTELLIGENCE

Industry leading controls allow you to program all dyeing processes – cycle times, cylinder speeds, liquor ratios, water temp, dye and chemical injection, controlled temperature rate of rise and cool-down and extraction, and they are completely self-diagnostic.

ECONOMY

Low liquor dyeing saves water, chemicals, and energy costs.

INNOVATION

Braun's Patented Center Shaft Injection system (CSI) allows dye liquor to be circulated from the heat exchanger through the center shaft of the cylinder as well as through normal injection ports, thereby achieving penetration of the goods from two directions simultaneously at the lowest possible cylinder speeds. (The CSI feature is available on all Braun Top Side Loading Dye-Extractors.)

EASE

Liquor ratio controls allow you to program and maintain specific ratio of mass of water to mass of goods – to ensure consistency of dyeing. Once a procedure is established, simply enter the weight of goods as basis for water injection calculation.

EFFECTIVENESS

Dye liquor is recirculated through the system at a rate of 100 and 225 gallons per minute on 200-pound capacity machines, 450 gallons per minute on 400 and 600-pound capacity machines, and 700 Gpm to ensure level dyeing and successful penetration at low cylinder speeds. Optionally available on the Top/Side Loading Dye-Extractor is the Center Shaft Injection which recirculates dye liquor directly through the center shaft of the cylinder for dyeing at extremely low cylinder speeds. During recirculation, the filtration system removes lint and contaminants from the dye bath.

The PenSurge feature enhances dye penetration and the distribution of goods by increasing and decreasing cylinder speed at programmable intervals during the dyeing cycle.

GENTLENESS

Braun Variable Speed Drive (VSD) provides a spectrum of cylinder speeds to ensure adequate dye penetration while maintaining gentle agitation. In addition, Braun cylinders are polished to a pick-free state.

TEMPERATURE CONTROL

The Braun External Heat Exchanger provides a precise rate of rise from 1° to 10° F per minute, plus maintenance of dye temperatures and controlled rate of both direct and indirect cool-down.

SMOOTH LOAD & UNLOAD

All models are designed for unobstructed, fast gravity-assisted loading and unloading – easily accommodating sling load systems and carts or conveyors for unloading.

CAPACITY

Choose from 200-, 400-, 600- and 800-pound load sizes.

SIMPLICITY

Braun design allows for ease of in-plant maintenance and maximizes dependability.

STABILITY

Simple and effective Braun Neutron Suspension isolates vibration allowing for high speed extraction – two-speed extraction standard on all models. High speed extraction reduces drying time and saves energy.

ERGONOMICS

All Braun wet processing machines feature a convenient door height. The Top/Side Loading machines have cylinder configurations which use gravity to ease loading and unloading.

STRENGTH

Wetted parts are 316L stainless steel. All Braun Dye-Extractors come standard with five add-tanks. Optional tanks are available, including a 60-gallon model.



A Line of Wet Processing Equipment That Continues the Tradition of Excellence You've Come to Expect.

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SPECIFICATIONS

MACHINE TYPE	SIDE LOADER			
	200 NTDPDYE	400 NTDPDYE	600 NTDPDYE	800 NTDPDYE
MODEL				
Maximum Recommended Capacity-Lbs./kg.	200 91	400 181	600 272	800 363
Cylinder Diameter X Depth-Inches/mm	46x45 1168x1143	60x45 1524x1143	60x66 1524x1676	60x91 1524x2311
Cylinder Volume-Cubic Feet/Cubic Meters	43.3 1.126	73.6 2.085	107.9 3.055	148.8 4.215
Cylinder Door Area Opening for Loading – Sq. Inches/Sq. cm	600 3871	600 3871	600 3871	600 3871
Height of Loading Door Above Floor-inches/mm	37 940	37 940	37 940	37 940
Extract Motor-H.P.	10	20	25	30
Extract Speed-R.P.M.	612	554	554	554
Wash Motor-H.P.	3	7.5	10	15
Automatic Drain Valve – Inches/mm	6 152	8 203	8 203	(2)8 (2)203
Automatic Inlet Valve – Inches/mm	2 51	2 51	2 51	2 51
Steam Connection – Inches/mm	1 1/4 32	1 1/2 38	1 1/2 38	1 1/2 38
Overall Width – Inches/mm	149 3785	154 3912	176 4470	205 5207
Overall Depth – Inches/mm	102 2591	102 2591	102 2591	102 2591
Overall Height – Inches/mm	112 2845	112 2845	112 2845	112 2845
Approximate Domestic Shipping Weight (Net) Skidded-Lbs./Kg.	12300 5579	15700 7121	18800 8528	24350 11045



Standard Electrical Specifications 208,240, 480 Volt, 3 phase 60 Cycle A.C. Two speed extract standard. For specifications on Scour Bleach or Tunnel Systems, please consult G.A. Braun or your distributor.



ISO 9001:2015 CERTIFIED
(Quality Management System)

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