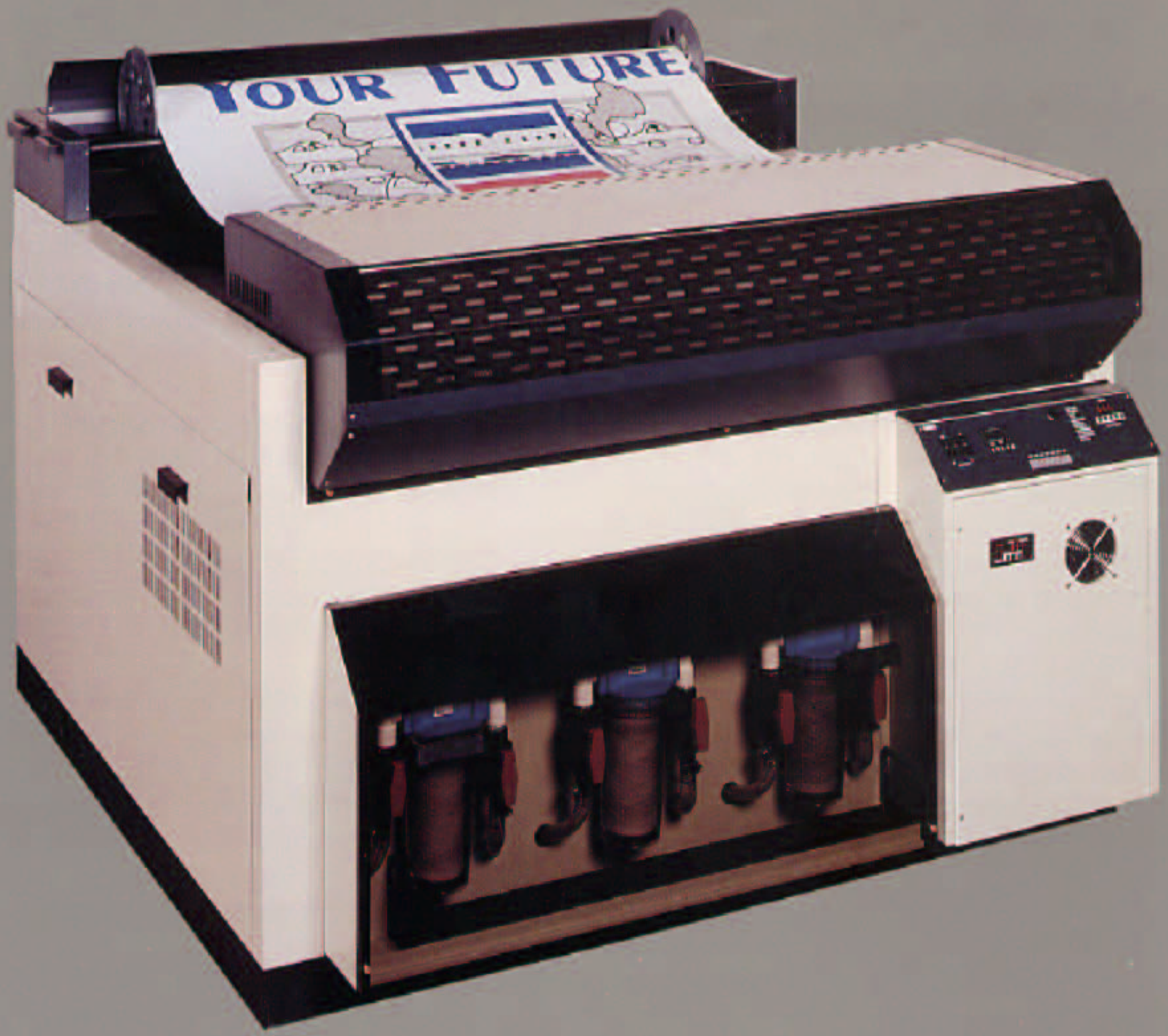
COLEX

Photo • Processing • Equipment

Roller Transport Processors



55" & 80" Models

American Built

State-of-the-art technology

Colex has developed a revolutionary line of American-built Roller Transport Processors. These machines incorporate unique features introduced for the first time in any processor. Environmentally safe ozone generation to prevent algae growth. Exclusive computer monitored anti-evaporation system automatically tops off solution levels. Automatic paper jam detection. A computerized speed readout displays developer time. The integral roll take-up tracks up to 5 lanes, automatically turns itself on and alerts the operator when a roll of paper emerges from the dryer. A dryer cool-down feature briefly runs the fans, after the dryer heaters shut down, to cool off the dryer compartment. Infra-red drying ensures high gloss and an even matte sheen on tough, high density black areas. A seven day timer allows automatic start-up and shut-down times to be set independently for each day of the week.

The Colex 55" and 80" processors were designed to meet the demanding needs of professional labs, such as large quantity runs of sheets or rolls and display materials.

A full line of processors to handle all the current photographic processes for Color and B&W. The RA-4 models are offered in speeds of 40-to 60-inches-per-minute to accommodate the various needs of the market-place.

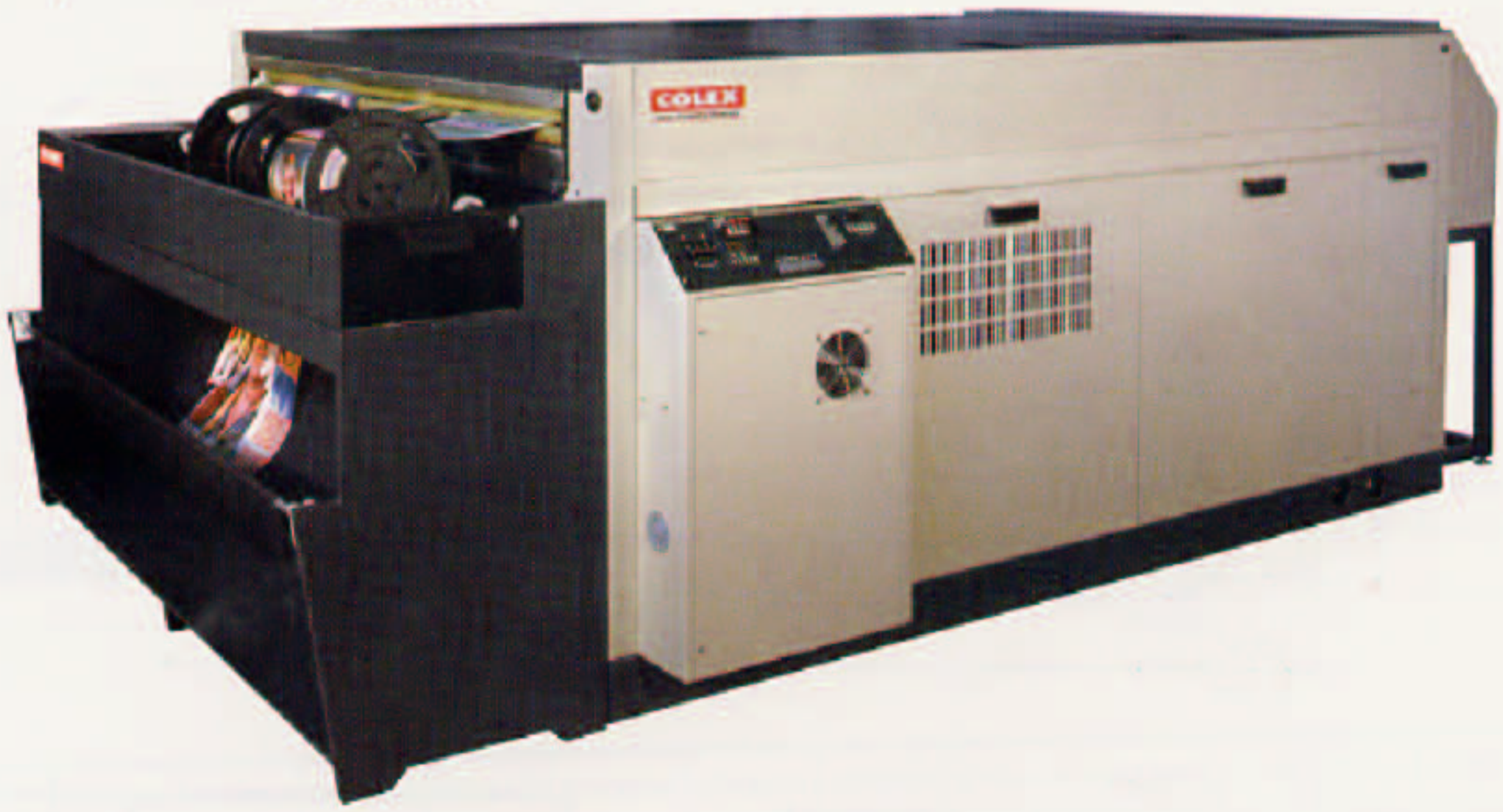
State-of-the-art computer aided design practices have enabled Colex to produce the smallest processors in their class with no sacrifice in features or quality. On the average, Colex processors occupy about 20% less floor space than similar models from other manufacturers.

How does Colex do it? The staggered roller concept, exclusive to Colex, enables the racks to be thinner than other designs. The vertical "U" dryer concept enables the dryer to occupy one-third the space of "straight through" drying systems and eliminates the need for an extended catch bin.

Add these new features to such long time Colex design characteristics as solid construction, oversized transport system components, washing crossovers, submerged rollers, plus a reliable microprocessor control system and it's easy to see why the Colex processor is the machine for the 90's.

Super Colex
High Speed Mural Processors

RTK 55-72 Super Mural Processor



The Super Colex Mural Processors for RA-4 materials combine high speed roller transport capability with all the features found in the COLEX Mural Processors. These features include:

Microprocessor control system: one-touch Duratrans, infrared dryer, water saver system, low chemical utilization, energy saving system.

Rack system: fully submerged roller design, heavy duty rollers & sideplates, washing crossover, sealed tank concept.

Process control system: algae prevention system, automatic top-off, developer time read out, external display bar, feed clutch, and roll feed & take up.

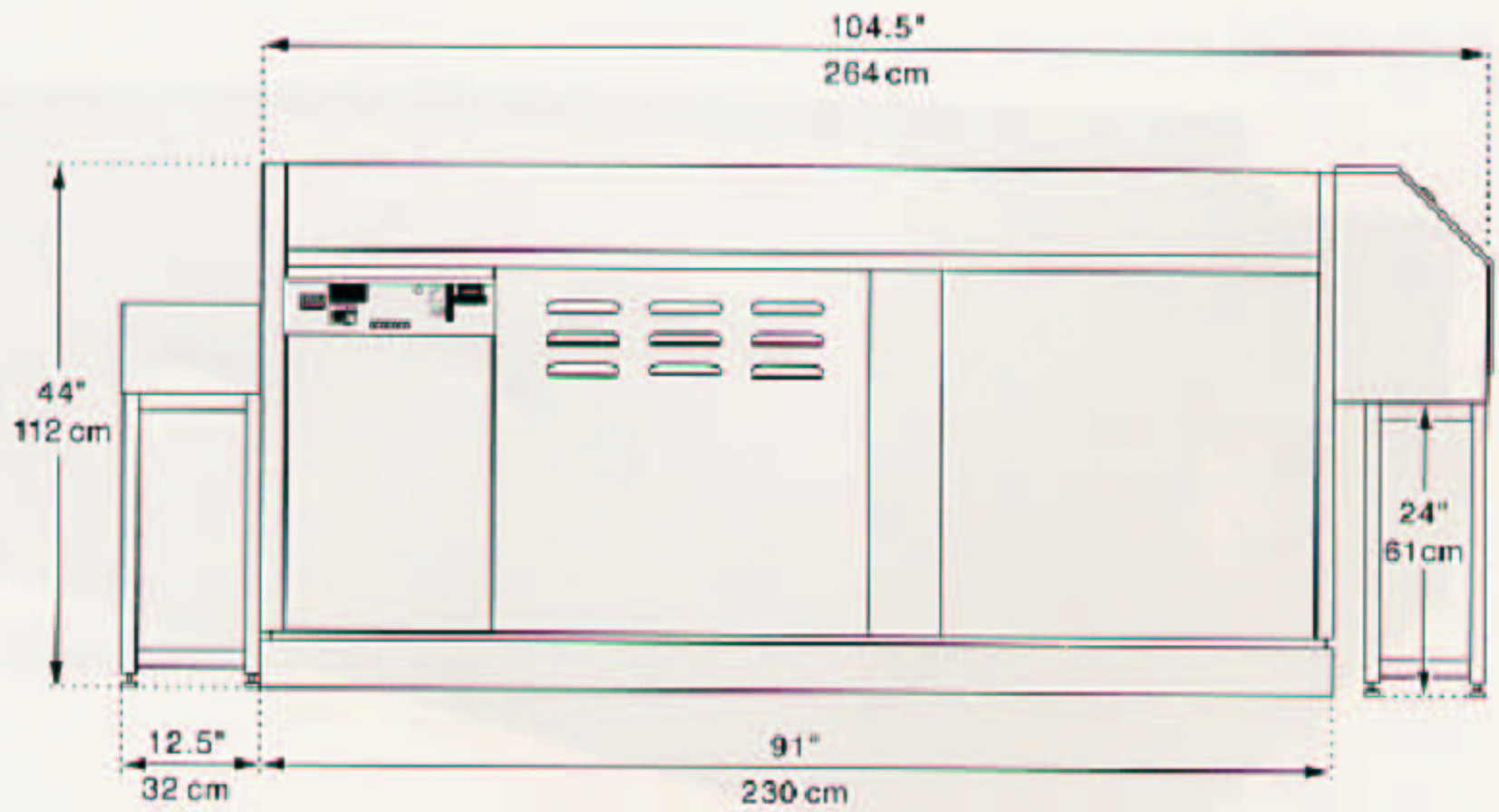
E-Z access Pumping Station

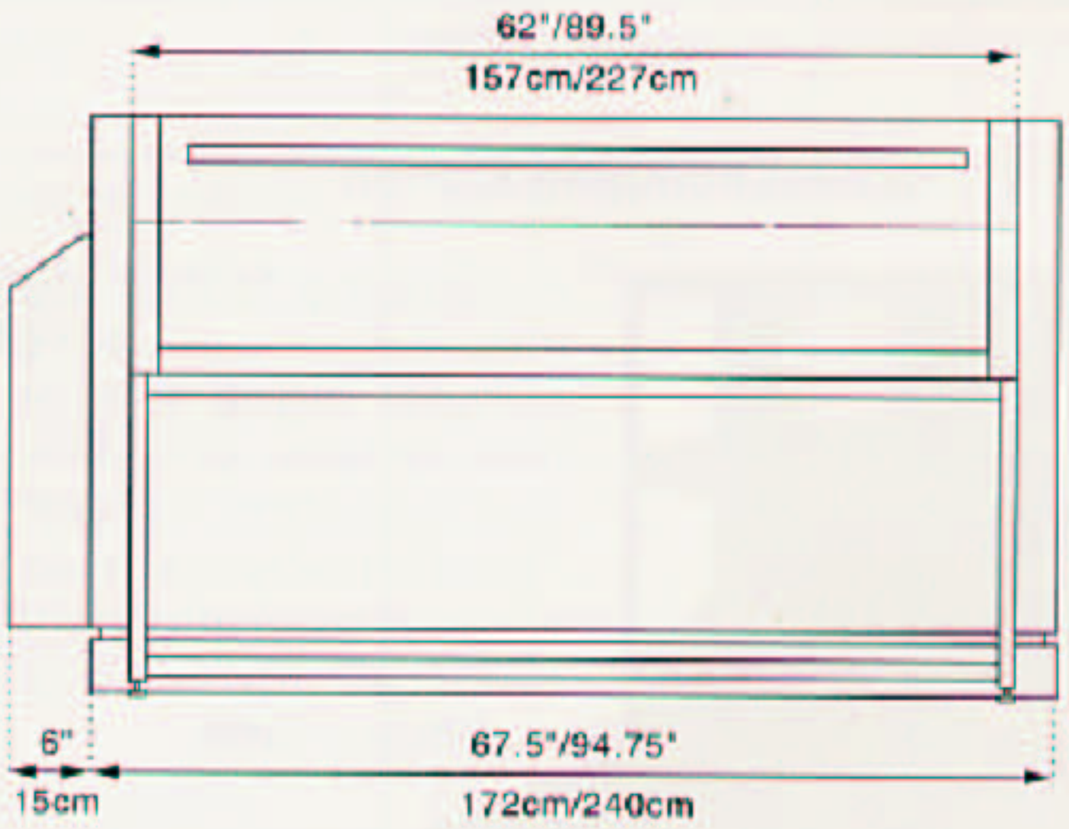
A Pumping Station permits E-Z access to all pumps, algae prevention system, and filtration canisters. Provides "on-the -fly" service while in operation without the unnecessary down time.

The Super Mural Processors are available in 55" & 80" models which feature an extremely fast process time of 72" per minute.

The Super Colex Mural Processor at 72" (183cm) per minute represents the fastest roller transport designed for high production of wide roll film or paper on a continuous basis.

Colex Super Mural Processors
Specifications





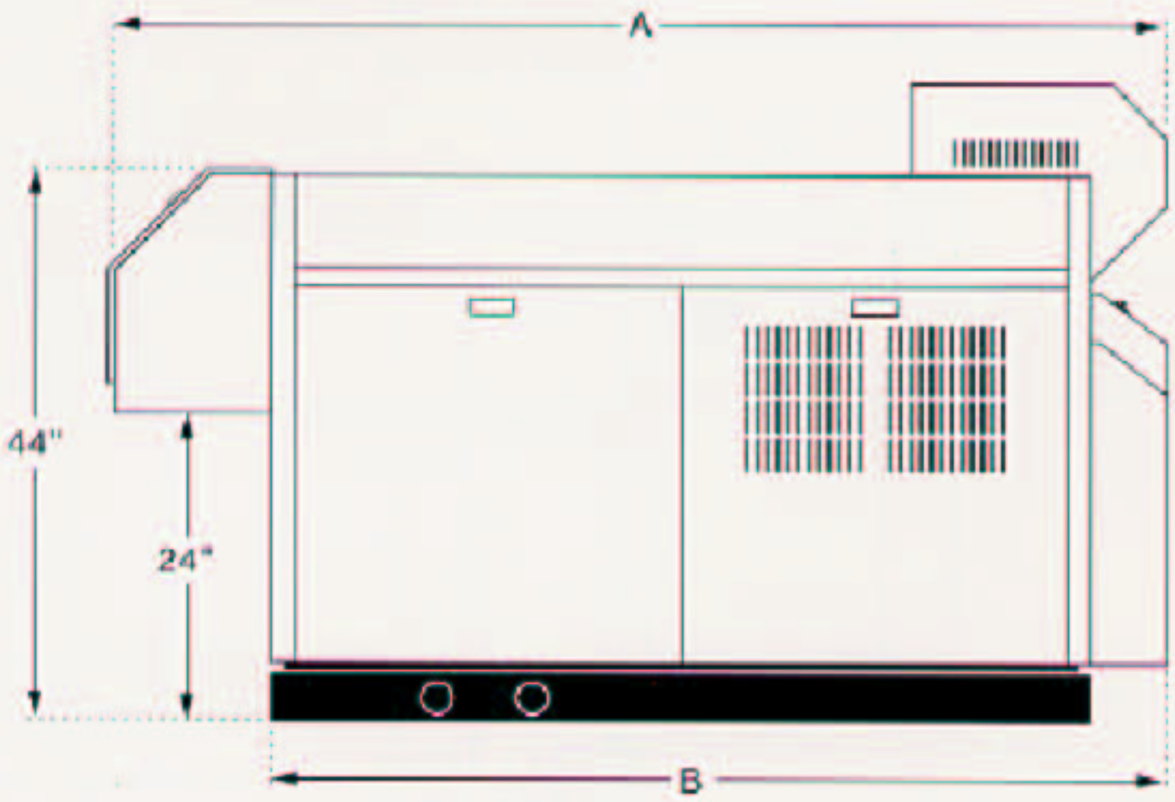
Model	RTK55/72	RTK80/72
Process	RA-4	RA-4
Max.material width, inches/cm	53.5/139	80/203
Speed, inches/cm per minute	72/183	72/183
Dry to dry, in minutes	5	5
Developer, Gallons/Liters	16/60	24.5/93
Water, Gallons/Liters per minute	5/19	7/26
Power: 220V, Amps 3ø/KVA	60/18.5	80/28
Weight Crated, pounds/Kg	4,300/1,935	5,096/2,293

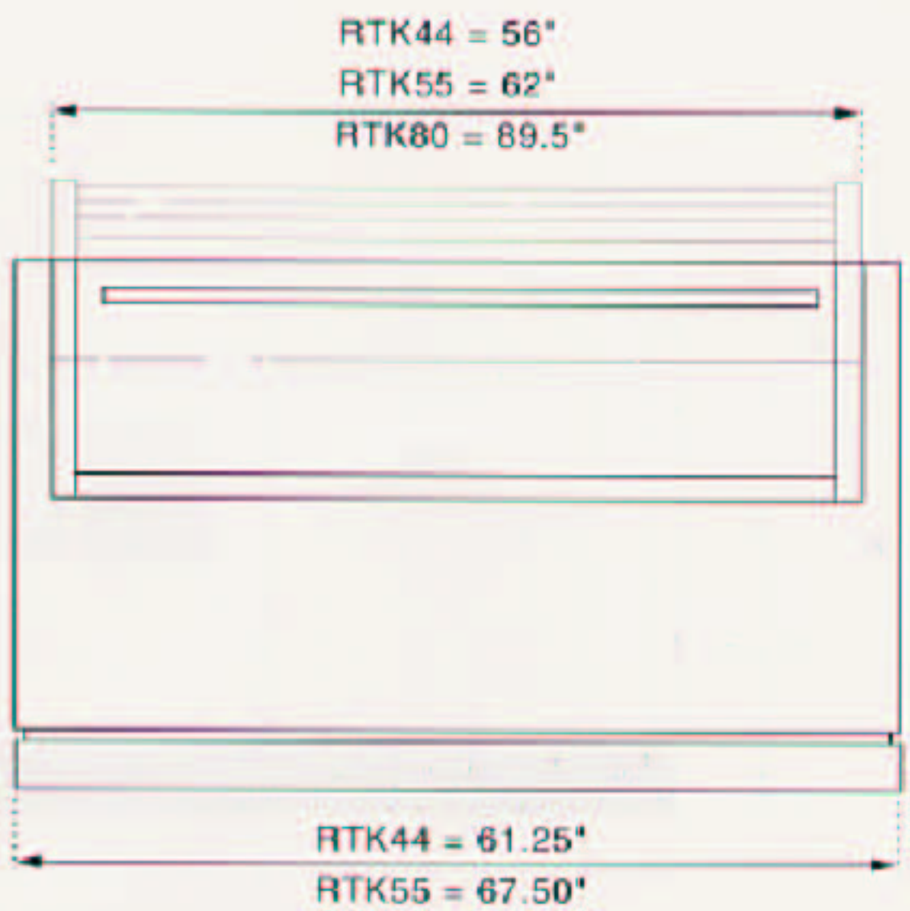
Specifications are subject to change without notification.

COLEX

October 15, 1995

Colex Processors
44", 55" & 80" Specifications





Model	RTK44/30	RTK44/40	RTK44/60	RTK55/30	RTK55/40	RTK55/60	RTK80/30	RTK80/40	RTK80/60	RTR 55	RTC55	RTBW55	RTC55-37
Process	RA-4	RA-4	RA-4	RA-4	RA-4	RA-4	RA-4	RA-4	RA-4	R3	P3X	B&W	P4
Max.material width in inches	43.5	43.5	43.5	51.5	51.5	51.5	79.5	79.5	79.5	53.5	53.5	53.5	53.5
Speed, inches per minute	30	40	60	30	40	60	30	40	60	24	24	Var.	37
Dry to dry, in minutes	5	5	5	5	5	5	5	5	5	14	14	Var.	5/10*
Developer in Gallons	6	7.5	11.6	7.7	9.6	14.5	12	14	22	9.7/16**	13.6	9.6	12
Water, Gallons per minute	3	3	4	3	3	4	4	4	6	6	6	3	6
Power: 220VAC/3Ø in KVA See note below	13.2	11.4	12.5	17	17	17	20	20	26.4	17	19	16	22
Dimensions: A in inches	81	81	81	81	81	81	81	81	81	120.75	140.75	81	88
B in inches	68	68	68	68	68	68	68	68	68	107.5	127	68	75
Weight Crated in pounds	2,460	2,670	2,776	2,670	2,780	2,890	3,445	3,645	3,825	4,225	4,455	2,250	3,225

*Film Speed, **Color Developer.

Specifications are subject to change without notification.

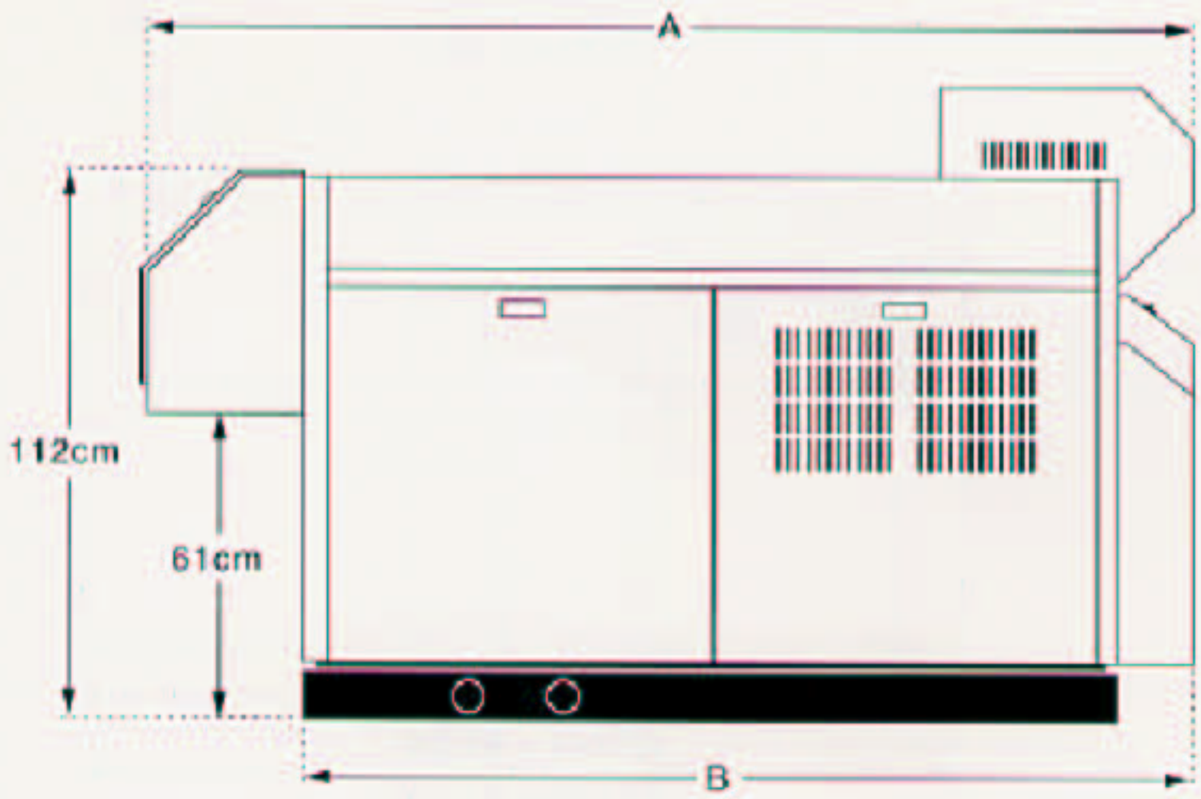
Note: This figure represents the actual maximum current draw of the processor. To calculate the current draw at your site use the following formula: $\frac{\text{KVA x 1,000}}{\text{1.73 x Voltage}}$ = AMPS PER LEG (For single Ø use the formula: $\frac{\text{KVA}}{\text{Voltage}}$ x 1,000 = AMPS) .

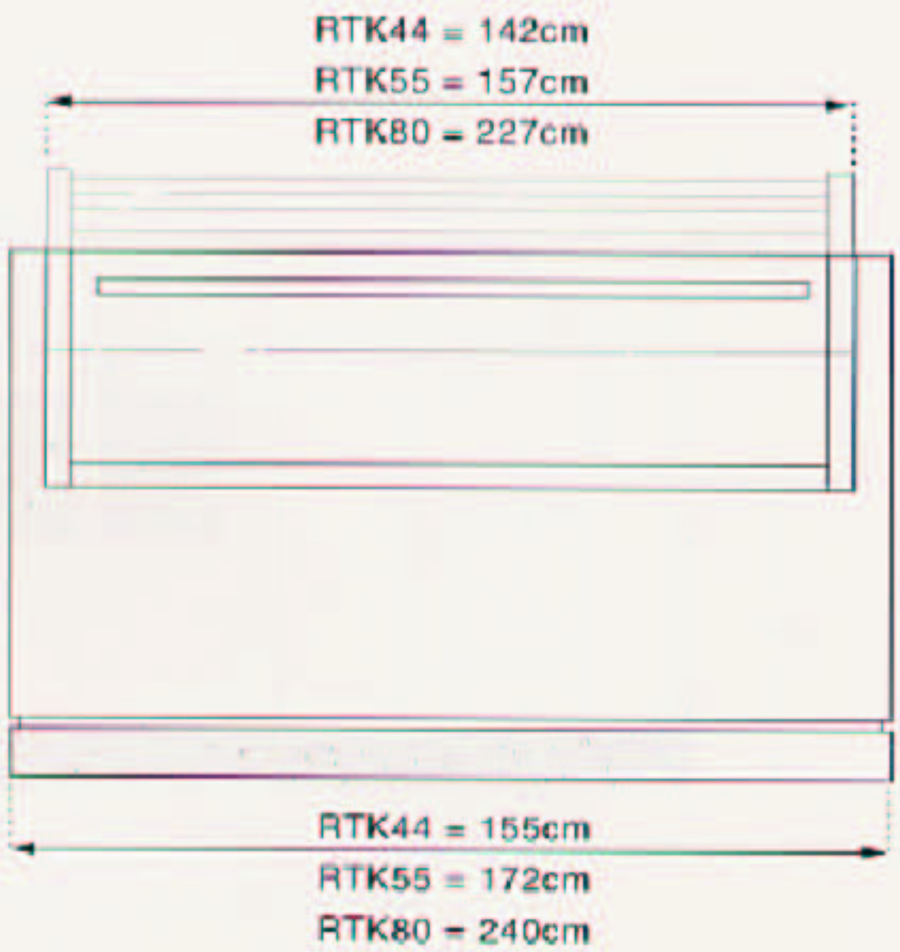
These processors operate on 208-240 VAC, 3 phase, 50/60 Hz. plus ground. Please specify at the time of order as to what power grid is in use at your location (220 or 380 Volts).

COLEX

August 1, 1996

Colex Processors
110cm, 140cm & 200cm Specifications





Model	RTK44/30	RTK44/40	RTK44/60	RTK55/30	RTK55/40	RTK55/60	RTK80/30	RTK80/40	RTK80/60	RTR 55	RTC55	RTBW55	RTC55-37
Process	RA-4	RA-4	RA-4	RA-4	RA-4	RA-4	RA-4	RA-4	RA-4	R3	P3X	B&W	P4
Max.material width in cm	110	110	110	131	131	131	202	202	202	131	131	131	131
Speed,cm per minute	76	102	152	76	102	152	76	102	152	61	61	Var.	94
Dry to dry, in minutes	5	5	5	5	5	5	5	5	5	14	14	Var.	5/10*
Developer in Liters	23	28.5	44	29	36.5	55	45	53	83	37/61**	51.6	36.5	45
Water, Liters per minute	11	11	15	11	11	15	15	15	23	23	23	11	23
Power: 220VAC/3Ø in KVA See note below.	13.2	11.4	12.5	17	17	17	20	20	26.4	17	19	16	22
Dimensions: A in cm	206	206	206	206	206	206	206	206	206	307	357	206	224
B in cm	173	173	173	173	173	173	173	173	173	273	322	173	191
Weight Crated in kg	1,107	1,202	1,262	1,202	1,251	1,301	1,566	1,640	1,721	1,901	2,005	1,013	1,451

*Film Speed, **Color Developer.

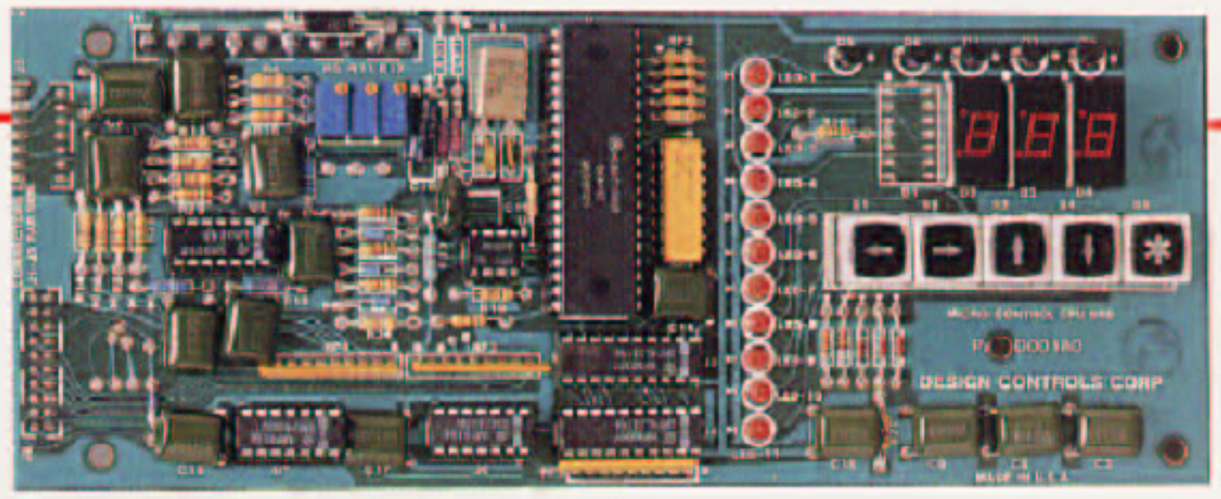
Specifications are subject to change without notification.

Note: This figure represents the actual maximum current draw of the processor. To calculate the current draw at your site use the following formula: $\frac{\text{KVA} \times 1{,}000}{1.73 \times \text{Voltage}}$ = AMPS PER LEG (For single Ø use the formula: $\frac{\text{KVA}}{\text{Voltage}} \times 1{,}000$ = AMPS) .

These processors operate on 208-240 VAC, 3 phase, 50/60 Hz. plus ground. Please specify at the time of order as to what power grid is in use at your location (220 or 380 Volts).

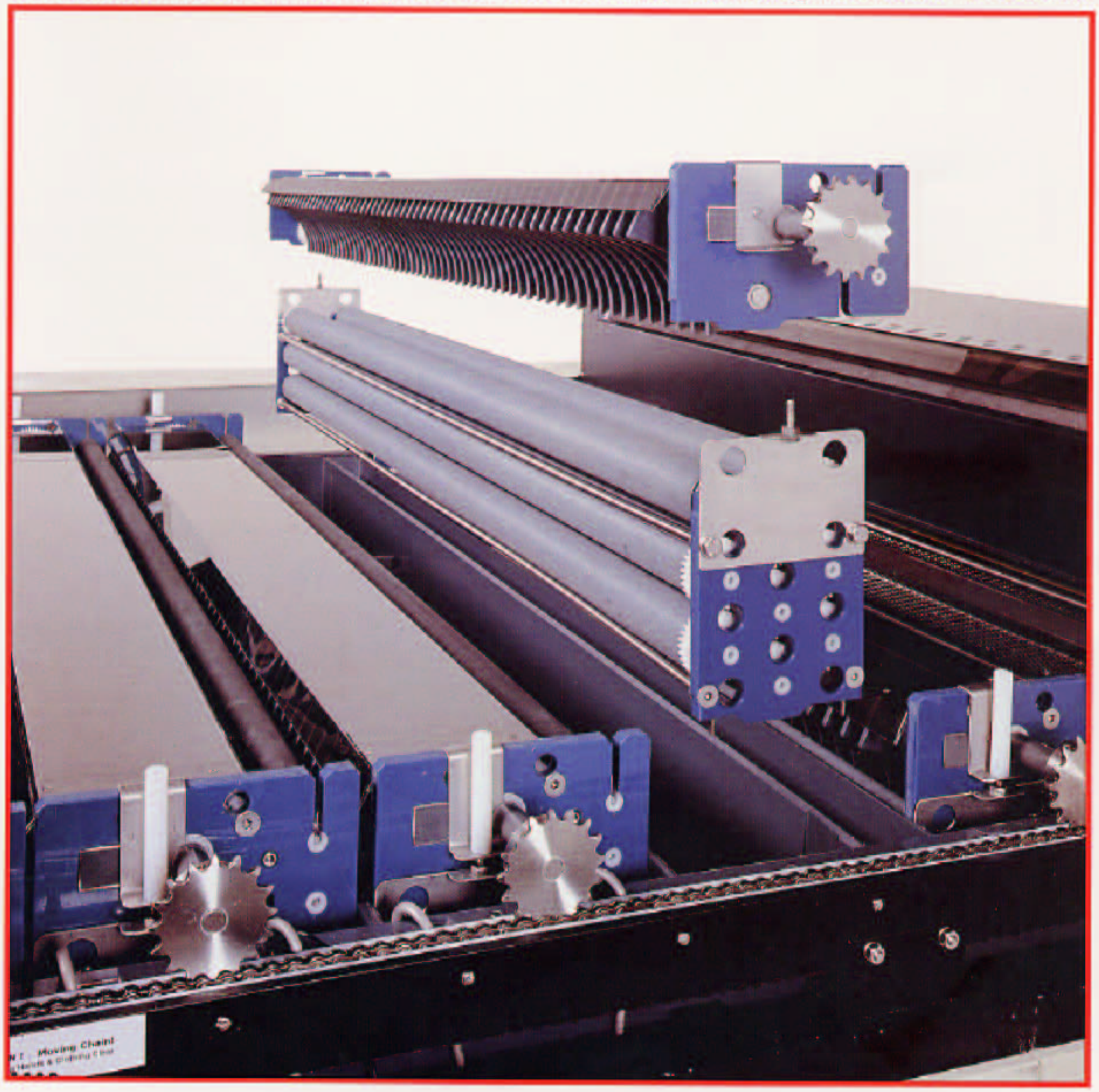
COLEX

August 1, 1996

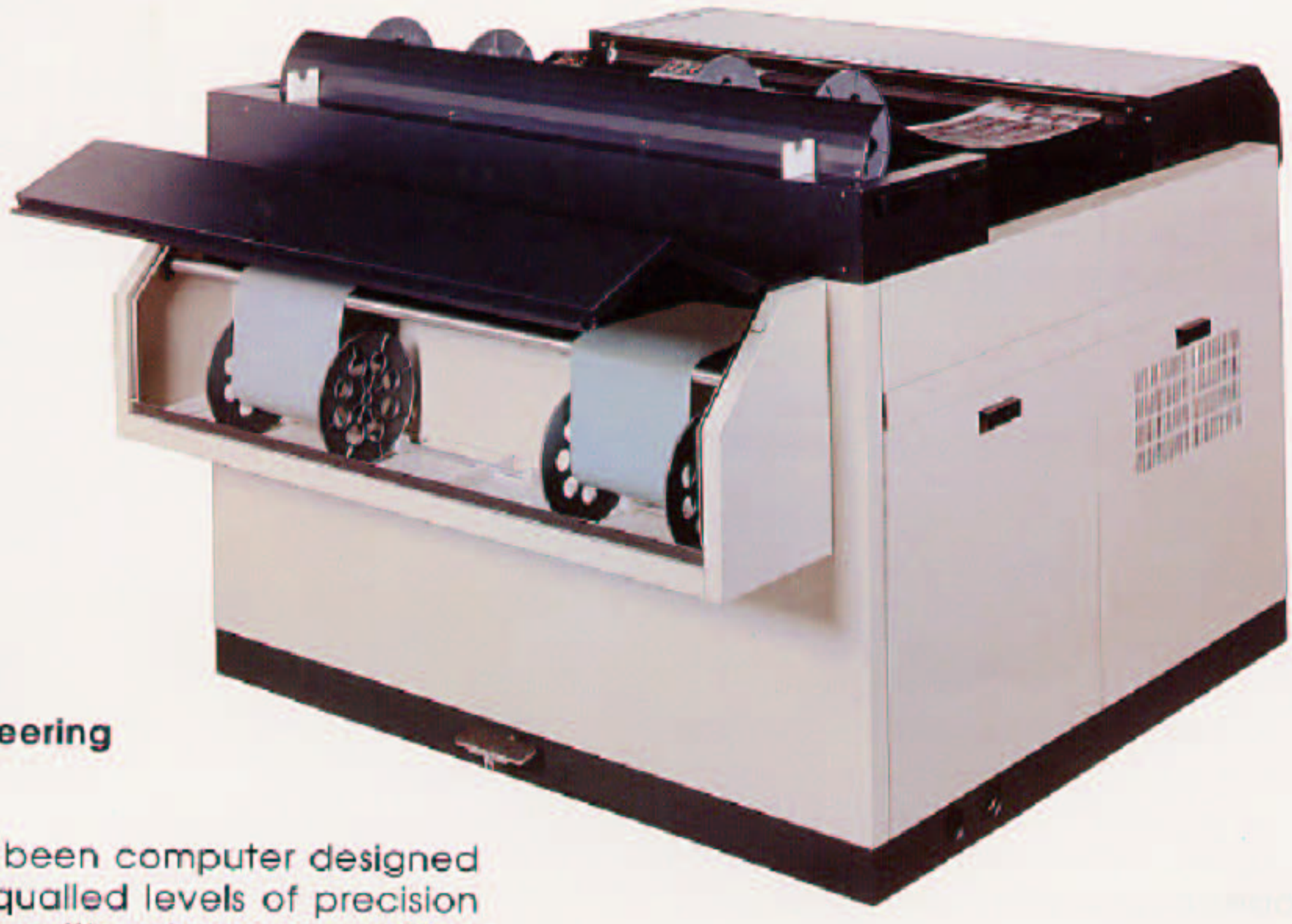


Microprocessor Controlled

Colex's modular approach to electronic circuit design has paid off in a low failure rate and increased user serviceability. Extra strength power handling components are used for switching, to insure that no component exceeds rated loads even under abnormal conditions. All electronic components are "burned in" in the factory testing procedure. Since most solid-state component failures occur in the first few hours of operation, field failures are reduced by pre-testing. Since the boards are modular, most repairs can be made by replacing the defective board.



Computer Designed



Precision engineering

The racks have been computer designed to provide unequalled levels of precision both in terms of positional accuracy of the rollers, gears and other mechanical parts, and smoothness of the actual material transport itself. As a result, Colex can claim a transport that will pass a regular one-dollar bill through the very center of an 82" wide rack, with a three point bottom turn-around. A claim backed up by the smoothest operating, most efficient drive system in the industry.

All of the engineering drawings in the world won't result in this level of performance if the factory can't make the parts that "engineering" designed. For this reason Colex has installed some of the most advanced, computer controlled machining equipment on the market today. This new equipment interfaces directly with our Cad computers and provides us with the ability to manufacture parts which perfectly replicate the on screen engineering drawings. Two immediate benefits derived from this system are a flawless interchangeability of all mechanical components, and a transport system that is so smooth it virtually eliminates leading edge damage to prints, even when running at speeds of 60 inches per minute.

Two models are available; the Colex Standard and the Colex Mural processor, in 55" & 80" widths for RA-4, P3X, R3, P4 and B&W.

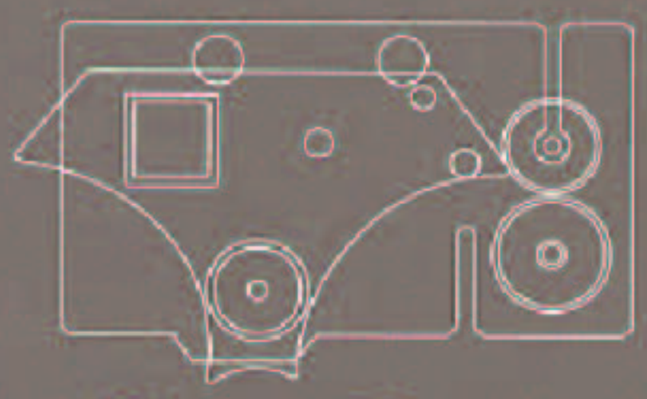
Both the Colex Standard Roller Transports and the Colex Mural Processors include a rear mounted filter housing, seven day timer and one-touch Duratrans® control.

All Mural processors include: Infra-red Dryer Assist, Automatic Dryer Jam Detection System, Dryer Cool-down feature, Feed Roller Clutch, Anti-Evaporation System, Roll Feed & Take-up and Material Exit Time Annunciator as standard features. The only options are: Water Control Panel, Rack Carrier Tray and Spare Parts Kit.

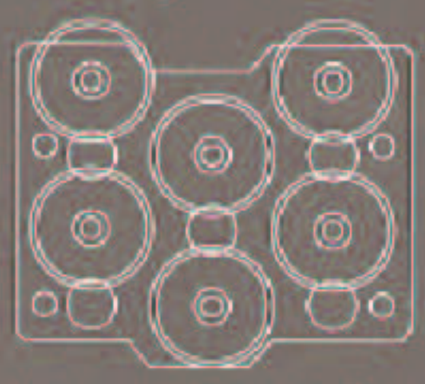
Some of the custom features of the Mural Processor can be purchased separately, as options, for the Standard Colex 55" and 80".

Roller Transport Innovative Design

The standard Colex features, not available in other competitive machines, are self cleaning crossovers, submerged racks, sealed tank concept and staggered rollers.

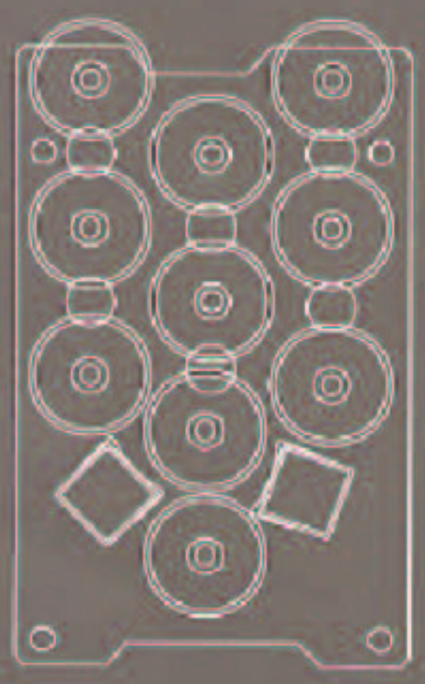


Colex Modular Rack



Self Cleaning Crossovers:

The material is rinsed and squeegeed as it passes from tank to tank, removing excessive carryover and reducing contamination.



Submerged Racks:

All transport rollers are located beneath the solution levels. This reduces chemical oxidation, and eliminates daily cleaning.

Staggered Rollers:

Permit the material to transport through the system without emulsion pressure, reducing the possibility of scratches and marks.

Roller Transport Features 55" & 80" Models

Microprocessor control:

One-touch Duratrans
Seven Day Timer
Developer Time Readout
Dryer Cool-down Feature
Automatic Dryer Jam Detection

Modular Rack System:

Fully Submerged Roller Design
Heavy Duty Rollers
Washing Crossovers
Heavy Duty Sideplates
Computer Design and Manufacture for Maximum Precision
Anti-evaporation System
Algae Prevention System
Top Mounted Scanner Display
Feed Roller Clutch
Integral Roll Take-up
Catch Bin
Infra-red Dryer Assist
Rear Mounted Filter Housing
Space Saving Design

COLEX
Photo • Processing • Equipment

Colenta America Corporation
347 Evelyn St. Paramus, N.J. 07652
Telephone: (201) 265-5670
Telefax: (201) 265-7093
Telex: 209321