

WPC 414+4

QUAD-STACK™

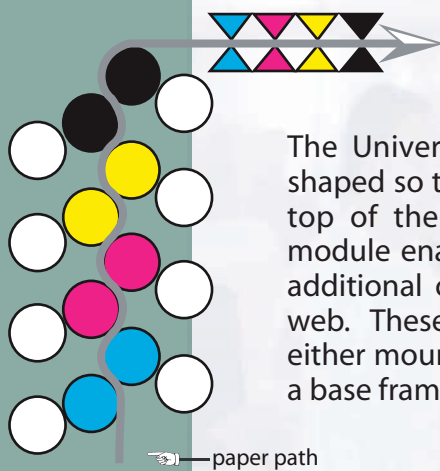
FOUR OVER FOUR COLOR PRINTING UNIT



QUAD-STACK™ / UPM ATTRIBUTES

The Quad-Stack™ is a low profile, single width, single circumference modularly constructed 4-color web-offset printing unit with a vertical web lead. It is designed for newspapers, magazines, tabloids, brochures, books and other commercial printing. The Quad-Stack™ is very compact and versatile. It produces quality printing, very low waste, and is simple to operate.

The basic component of the QUAD-STACK™ is the Universal Printing Module (UPM), a compact web-fed offset printing unit that prints a single color on both sides of the web of paper. The UPM contains four solid stainless steel printing cylinders: two plate and two blanket cylinders.



The Universal Printing Modules are shaped so they can be placed one on top of the other with each added module enabling the printing of one additional color on each side of the web. These "stackable" modules are either mounted above a reel stand or a base frame.



The **inking system** is a motorized feed system. Each ink fountain roll has a motor with speed control located at the printing unit or the control console. Ink supply is further controlled in zones by the adjustment of the (hand adjustable or motorized) ink levers or metering screws located across the width of the module. The NYLON covered oscillating roller has a fixed 1-inch stroke. The steel metering roller has a knurled surface to accept ink across the clearance between it and the ink fountain roller.



The **dampener system** is a motorized brush spray system. Speed variation of each dampener fountain roller changes the amount of dampener solution supplied across the entire width of the plate. The drive to each dampener fountain roller is motorized, with its speed variation controller located at the printing unit or the control console. Dampener supply is further controlled in zones 1-1/4 inch wide by means of adjustable spray blocking shields. The amount of dampener solution in the pan is maintained by a remote one-way feed system that allows no ink or other contaminants back into each unit's main dampener recirculating supply tank.

FEATURES

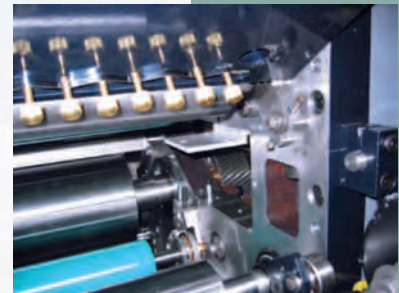
STANDARD

- Pneumatic drive line clutch
- Solid stainless steel plate and blanket cylinders
- Rubber covered ink and dampener rollers
- Brush dampening
- Compressible blankets with bars attached
- Drop down ink fountain assembly
- Safety guards totally covering ink and dampening rollers
- Oil bath main helical drive gears
- Pneumatic form rollers
- Motorized compensator
- Pneumatic impression
- Pneumatic web tension (roll under unit only)
- Motor driven ink fountain rollers
- Motor driven dampener pan rollers
- Motor driven spiral brush dampener
- One-way (non-contaminating) water system
- Bearers on blanket cylinders
- Running sidelay register control - all plates
- Running circumferential register control - all plates
- Running plate skewing register control - all plates
- Air circulation cooling system including blower
- Dampener volume (zone) control adjustments every 1-1/4" across the plate



OPTIONAL

- Quick lock reel shaft chucks or air shafts
- Spray bar systems
- Mechanical & electrical spare parts kits
- Narrow gap blanket lockups
- Double ended plate bender
- Pin register system
- Motorized ink keys
- 40 Hp independent or digital drive
- Jack shaft assembly
- Connecting parts for UV curing lamps
- Double oscillators



DOUBLE OSCILLATORS



DRIVE



INK LEVERS

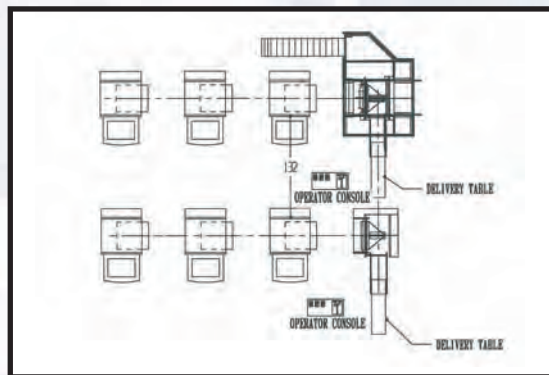


UV CURING LAMPS

Complete Press Lines



Quad-Stack and UPM units combined with WPC folder technology provide a modern answer for small to medium newspaper printers. Combined with UV lamps, commercial printers can also take advantage of Quad-Stack quality and color.



FOR SPEED WITH FLEXIBILITY

TWINNED / DUAL QUAD-STACK LINES

WHEN "TWINNED"

- 30,000 IPH
- Larger publications
- Section flexibility (when more units are in each line)
- Lines can be used separately if publication is smaller

Advantage:

Ability to accept print jobs from a wider variety of publications

WHEN "DUAL"

- 60,000 IPH (both lines running)
- Smaller publications/inserts
- Peace of mind due to greatly reduced risk of total down time. (2nd line available during maintenance periods)

Advantage:

Faster production with greater flexibility at much less cost than a competitive higher speed press.

Add-On Color Units

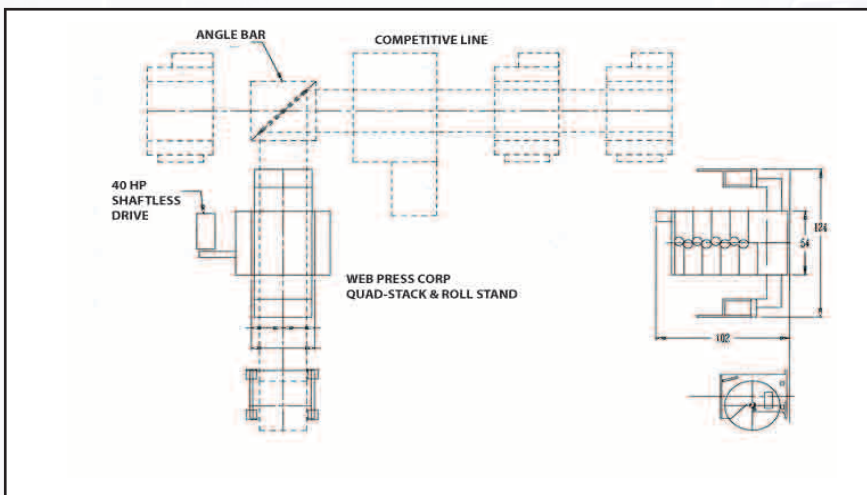
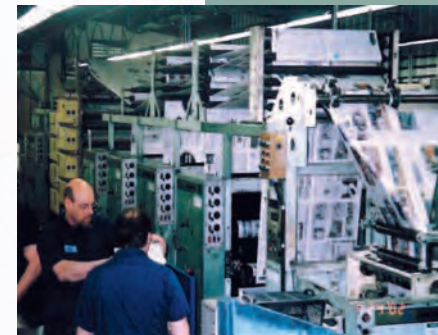


With the help of either AC vector drives (which allow for shaftless connections), or specifically designed connecting parts, over 50% of the Quad-Stacks currently in production are running on "competitive" presslines. Print shops with low ceiling height can now expand their color capacity without the extra expense of relocation or building remodel.

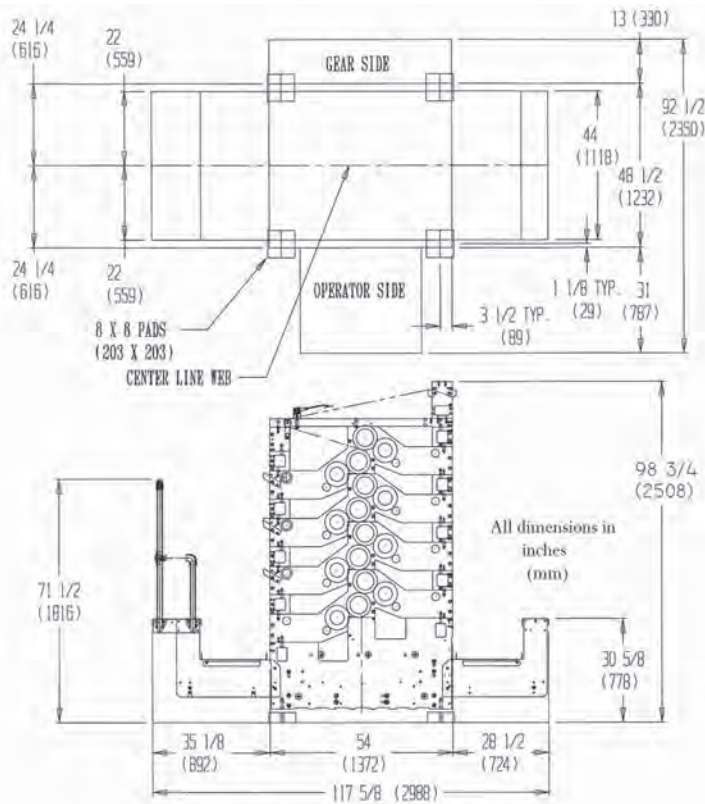
EASILY MERGES WITH MOST SINGLE WIDTH ONE AROUND:

- GOSS**
- HARRIS**
- KING**
- DGM**
- SOLNA**

CHECK WITH A SALES REPRESENTATIVE TO CONFIRM COMPATIBILITY WITH YOUR MAKE & MODEL



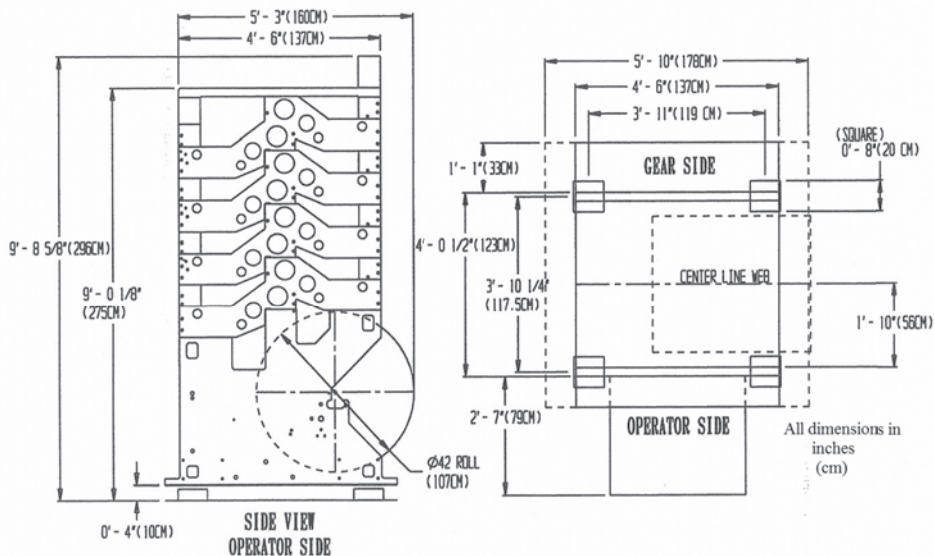
The Quad-Stack is most commonly placed at the end of a pressline or next to the folder. But it can also be added perpendicular to the folder using angle bars to bring the webs in line with the folder.



APPROX. WEIGHT
9500KG. / 21000 LBS

**FLOOR
MODEL**

118" (l) x 92" (w) x 98.75" (h)
3.2m (l) x 2.3m (w) x 2.5m (h)



WEIGHT: 23000 LBS (10455KG.)

**ROLL
UNDER
MODEL**

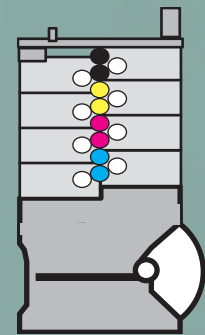
82" (l) x 92" (w) x 115" (h)
2.1m (l) x 2.3m (w) x 2.9m (h)

SPECIFICATIONS

Standard specifications below are for two common cut-off sizes for this category of press. Other cut-offs may be available. Contact the corporate office for details.

22 3/4" / 578mm (Nominal cut-off) 21 1/2" / 548mm

	Imperial	Metric	Imperial	Metric
Max. full width web	36"	914mm	36"	914mm
Min. full width web	18"	457mm	18"	457mm
Nominal cutoff	22-3/4"	578.5mm	21-1/2"	548mm
Image Length**	21-3/4"	552mm	20-1/2"	523mm
**Optional narrow gap	22-1/4"	568mm	21"	533mm
Plate gap	3/16"	4.76mm	3/16"	4.76mm
Plate size	24" x 36"	610 x 914mm	22-3/4" x 36"	578 x 914mm
Plate thickness	.009"	0.22mm	.009"	0.22mm
Blanket size	24-1/2 x 36"	622 x 914mm	23-1/4" x 36"	590 x 914mm
Blanket thickness	.065"	1.65mm	.065"	1.65mm
1 st Ink form roll	2-1/2"	63mm	2-1/2"	63mm
2 nd Ink form roll	2-7/8"	73mm	2-7/8"	73mm
Ink Fountain Capacity	12 lb.	5.5 kg	12 lb.	5.5 kg
Running register ranges				
Side lay ... both sides	+/- .150"	+/-3.8mm	+/- .150"	+/-3.8mm
Circumferential ... both sides	+/- .100"	+/-2.54mm	+/- .100"	+/-2.54mm
Skewing ... both sides	+/- .012"	+/- .304mm	+/- .012"	+/- .304mm
Paper roll sidelay ... both sides	+/- .5"	+/-13mm	+/- .5"	+/-13mm
Weight ... standard	21,000 lb.	10,000 kg	21,000 lb.	10,000 kg
Weight ... Roll under	23,000 lb.	10,900 kg	23,000 lb.	10,900 kg



Speed: 30,000 impressions per hour

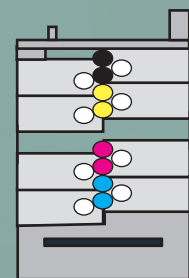
2-WEB QUAD-STACK MODELS:

The basic Quad-Stack model is designed to run ONE (1) web from bottom to top leaving up to four color impressions on each side of the web. It is possible to order a model with a spacer between two of the UPM decks which allows TWO (2) webs to run through the Quad-Stack giving 2 over 2 color on each of 2 webs.

Please contact us for more information if you are interested in running 2 webs through a Quad-Stack.

UNIVERSAL PRINTING MODULES

UPM's, available in a variety of configurations, use the same specifications as listed, dependent upon cut-off size.



NOW SOLD EXCLUSIVELY BY



The Quad-Stack is now offered exclusively by imPRESSIONS Worldwide in the Americas and Asia. Established in 1995, imPRESSIONS Worldwide is the premier supplier of used Goss single wide press equipment. We have nearly 100,000 sq. ft. at two strategic locations in the USA, including our headquarters in Washington State.

WebPress LLC, Tacoma, Washington, has 40+ years of expertise in the manufacture of new press equipment. Located within 100 miles of each other, imPRESSIONS and WebPress are able to combine their strengths, offering completely new press lines, or a combination of new and rebuilt equipment. For instance, a customer might choose to purchase new Quad-Stack units and rebuilt splicers, or to add a Quad-Stack to an existing Goss press line. With the skills and specialties of both companies working together, the possibilities are endless. We now offer Used and "Factory Certified" Quad-Stacks as well.

We also supply Enhancements, Upgrades, Installations, Service Work, Project Consulting and Parts. With our long term experienced crew including alliance team members stationed around the globe, imPRESSIONS is poised to execute your next press project, no matter where you are located. We are focused on your success and understand that our continued success hinges on yours.



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