Our quality.
Our commitment.

NAPH
GRAPHICS
PVT. LTD.

The **Company**

NAPH is a strong team of qualified engineers with a rich experience of the printing industry spanning over 20 years. We build presses to meet precise requirements and attachments that suit existing presses of any make. A wide range of already built and operative machines are a testimonial to this.

Always aspiring for customer satisfaction and perfection, Naph is an established brand which has shown its innovation and up gradation capability time to time. Naph Machines are time–proven web offset presses for printing newspapers and periodicals for printers who are currently producing medium sized editions and are designed according to most advanced standards of engineering, combing optimum reliability and long service life.

Plant**&**
Facility

Our infrastructure plays an important role in enabling us to meet the exact requirements & standards of the industry. We produce machine using latest state–of–the–art technology and facilities to consistently improve the productivity and quality of our products.

Our company also boasts of highly skilled team of engineers and trained professionals who are comparable to the best in the industry.

A renowned name in the world of

Offset
Printing Machines

Eversince its inception, Naph Graphics has been manufacturing and exporting world class quality offset printing Machines. Used extensively for Newspapers, Books, Tabloids Magazines and periodicals Printing.

The Naph Edge, above the rest...

- Easy to upgrade
- State-of-the-art Print Technology
- Low Maintenance Cost
- Unmatched Support Turnaround

QUALITY POLICY

Quality plays a vital role in our company. Our policy focus on continual improvement in quality, design and output so as to execute all needs of our valuable customers with optimal level of satisfaction. To achieve this, we have deployed a Quality Management Programme, under which, each component and part is monitored at every stage of production so as to remove the defects that may arise at any stage of the production process. From time to time, we have upgraded ourselves with the latest techniques to provide top–notch quality products and services.

Koncept

For 4+4 Printing

- Innovative concept based sturdy tower to print both sides four colors with underneath in built reel stand.

- Staggered blanket cylinders to achieve optimum stability in color registration.

- Blanket cylinders have hardened eccentrics with housing eliminating the wear and tear of main frames

- All eight plate cylinder's circumferential and side register are adjustable from the operators side . Thus attaining color registration quickly and reduce print wastage.

- All rolling components are dynamically balanced.

- High capacity, swing down ink fountain.

- All cylinders runs on bearers for better dot transfer and precise impression setting.

- All the gears on the gear side enclosed in chamber with continuous oil circulation.

- Pneumatic controls for impression, dampener and ink on – off.

- Brush mist dampening system.

Model	NAPH – Koncept Tower
Speed	30000 cph , 35000 cph
Height	4410mm
Weight	15500 kg
Cut-off sizes	508,535,546,560,578,585,610, 630,660mm
Blanket thickness (with packing)	2.05-2.07mm
Plate thickness	0.3mm
Maximum paper roll diameter	1100mm
Maximum paper roll width	914mm

4 Hi Tower

For 4+4 Printing

- A Sturdy Tower Designed To Print One Web Both Sides 4 Colors.
- Designed On A Well Proven Concept Of Staggered Blanket Cylinders To Achieve Optimum Stability In Color Registration.
- All The Eight Plate Cylinders Have Circumferential As Well As Side Register Adjustments Individually Adjustable And More Importantly Adjustable From The Operators Side Only.
- This Results In Attaining Color Registration Quicker During Make Ready For New Job And Hence Reducing Print Wastage.
- Bigger Space Between Stacks Results Comfortable Reach To The Blanket Cylinders, Rubber Rollers And Ink Oscillators Which Ultimately Makes Machine More Operators Friendly.
- 4 Hi Tower Can Also Be Utilized To Print Two Webs Both Sides Two Color Comfortably.
- All solid steel forged plate and blanket cylinders dynamically balanced.
- High capacity, swing down ink fountain.
- All Blanket And Plate Cylinders Have Bearers For Better Dot Transfer And Precise Impression Setting.
- Timken Double Row Taper Roller Bearing For All The Blanket Cylinders.
- Hardened Ground Helical Gears For Main Drive And All Plate And Blanket Cylinders For Accuracy In Power Transmition.
- All the gears on the gear side enclosed in chamber with continuous oil circulation.
- Brush Mist Dampening system.
- Heavy Duty Timmer belt drive to all the four stack units for minimum backlash.
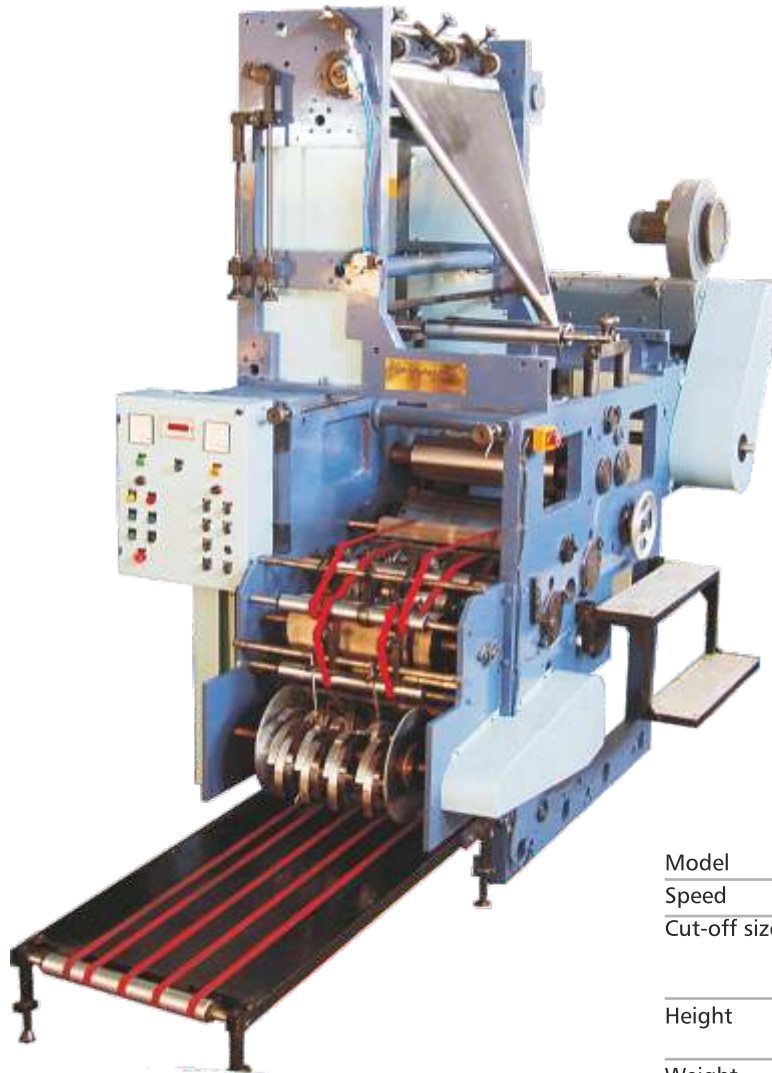

Model	NAPH – 4HI Tower
Speed	30000 cph , 35000 cph
Cut-off sizes	508,535,546,560,578,585,610, 630mm
Height	3700
Weight	14 500 kg
Blanket thickness (with packing)	2.05-2.07mm
Plate thickness	0.3mm
Maximum paper roll diameter	1100mm
Maximum paper roll width	914mm

(All dimensions are in millimetres)

Folder

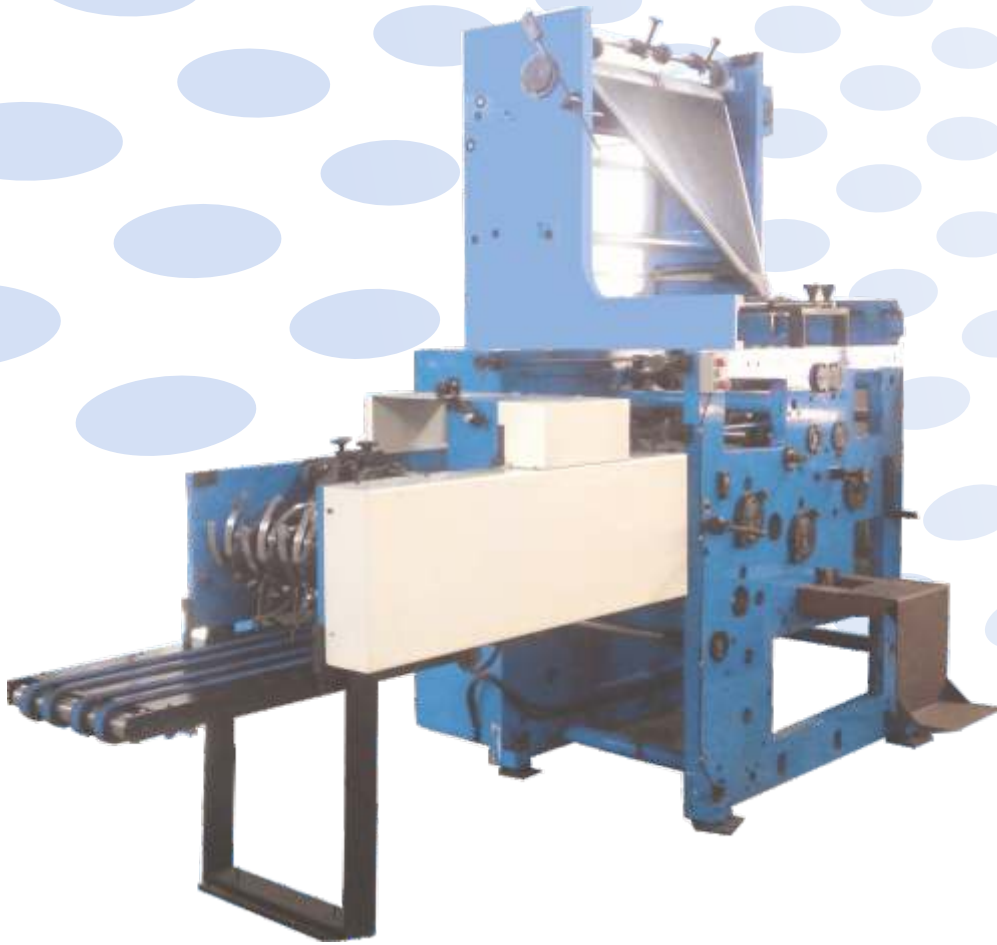## Heavy Duty Jaw Type Three cylinder folder

- Based on 2:2:1 Principle
  - Jaw Drum Double Diameter
  - Folding Drum Double Diameter
  - Cutting Cylinder Single Diameter
- Fan Type delivery
- Heavy duty timing belt Drive.
- Kicker - 0 to 99 programmable (Optional).
- Electronic copy counter.
- Safety pins for overload protection.

Balloon (Upper) Former for on line Supplement insertion

Model	NAPH – Folder
Speed	30000 cph, 35000cph
Cut-off sizes	430, 440, 450, 460, 508, 535, 546, 560, 578, 585, 610, 630, 762 mm
Height	2840 mm
Weight	3500 Kg
Blanket thickness (with packing)	2.05-2.07mm
Plate thickness	0.3mm
Maximum paper roll diameter	1100mm
Maximum paper roll width	914mm

(All dimensions are in millimetres)

Folder
with Quarter Page Folder

Quarter Folding Attachment

- High speed Quarter folder attachment for on line 1/4 th fold.
- Equipped with in line creasing system for perfection in quarter folding even at high speeds and parallel perforations on folded edge of the section to release trapped air.
- Just one clutch to engage and disengage quarter folder.

Double Parallel Folding

- High speed Double parallel folding attachment with parallel and cross perforations.

Mono Unit
For 1+1 Printing

- A Sturdy Unit With Underneath Inbuilt Reel Stand Capable To Print One Web Both Sides Single Color.
- Vertical Short Web Lead And Comfortable Operations Makes It Very Easy To Operate.
- All Solid Steel Forged Plate And Blanket Cylinders Dynamically Balanced.
- High Capacity, Swing Down Ink Fountain.
- All Blanket And Plate Cylinders Have Bearers For Better Dot Transfer And Precise Impression Setting.
- Timken Double Row Taper Roller Bearing For All The Blanket Cylinders.
- Hardened Ground Helical Gears For Main Drive And All Plate And Blanket Cylinders For Accuracy In Power Transmition.
- All The Gears On The Gear Side Enclosed In Chamber With Continuous Oil Circulation.
- Brush Mist Dampening System.

Koncept Penta
For 4+1 Printing

Can Be upgraded to
4+4 Koncept Tower later on at any point of time.

• A Sturdy Compact Unit with in built reel stand Designed To Print One Web One Side 4 Colors and back side single color.

• All The Four Plate Cylinders Have Circumferential As Well As Side Register Adjustments Individually Adjustable And More Importantly Adjustable From The Operators Side Only.

• This Result In Attaining Color Registration Quicker During Make Ready For New Job And Hence Reducing Print Wastage.

• All solid steel forged plate and blanket cylinders dynamically balanced.

• High capacity, swing down ink fountain.

• All Blanket And Plate Cylinders Have Bearers For Better Dot Transfer And accurate Impression Setting.

• Hardened Ground Helical Gears For Main Drive And All Plate And Blanket Cylinders For Accuracy In Power Transmition.

• All the gears on the gear side enclosed in chamber with continuous oil circulation.

• Pneumatic controls for Impression, Dampener and Ink On – Off.

• Brush Mist Dampening system.

• Heavy Duty Timing belt drive for minimum backl

Model	NAPH-Koncept Tower
Speed	30000cph, 35000 cph
Height	4410mm
Weight	1550kg
Cut Off	508,535,546,560,578,585,610, 630mm
Blanket thickness (with packing)	2.05-2.07mm
Plate thickness	0.3mm
Maximus paper roll diameter	1100mm
Maximum paper roll width	914mm

Optional Attachments
that can be offered along with the machines

∗ Motorized Side And Circumferential Adjustments Through Touch Screen and PLC.
∗ Camera Based Complete Close Loop Automatic Colour Registration System.
∗ Motorized Ink Fountain.
∗ On Line Verical Delivery Stacker.
∗ Auto Reel Changers (Auto Pasters).
∗ On Line Ink Jet Numbering System.
∗ On Line Gluing System.
∗ Remote Inking System.
∗ Infeed/Outfeed – Load Cell Based additional Web tension Control System.
∗ Digital Drive With Console Controls On Touch Screen Through PLC.
∗ Dampening Solution Chilling & Circulation system (Chiller).
∗ Double Parallel Folding system.
∗ Turner Bars With Or Without Bay Window.
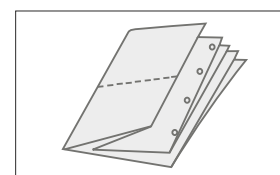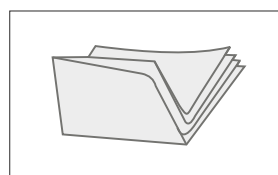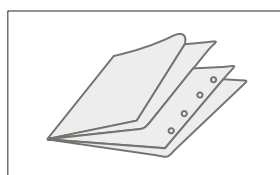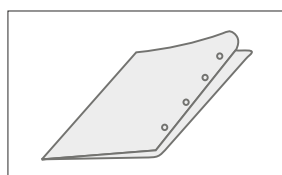∗ Ultra Violet (UV) Dryer.

Specifications

Naph web offset presses are single width, one plate around, coldset presses having modular construction, quick make-ready, with simple design for ease of operation and maintenance. The printing elements are mono unit with in built underneath reel stand, exclusively designed penta printing unit to print four colour on one side and single on the back (4+1) in one compact unit in one go and The mono unit can be stacked up to 4-HI Tower to get four colour on both sides of the web.

The Unit frames are made of high tensile cast iron. All blanket cylinders are mounted on pre-loaded Timken taper roller bearings (USA). The ink fountain has manually adjustable keys (Lever type optional). Brushmist or cloth type dampening system is supplied depending on the speed of machine.

Technical Specifications

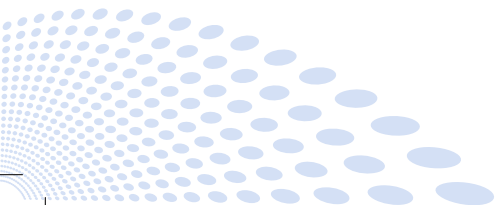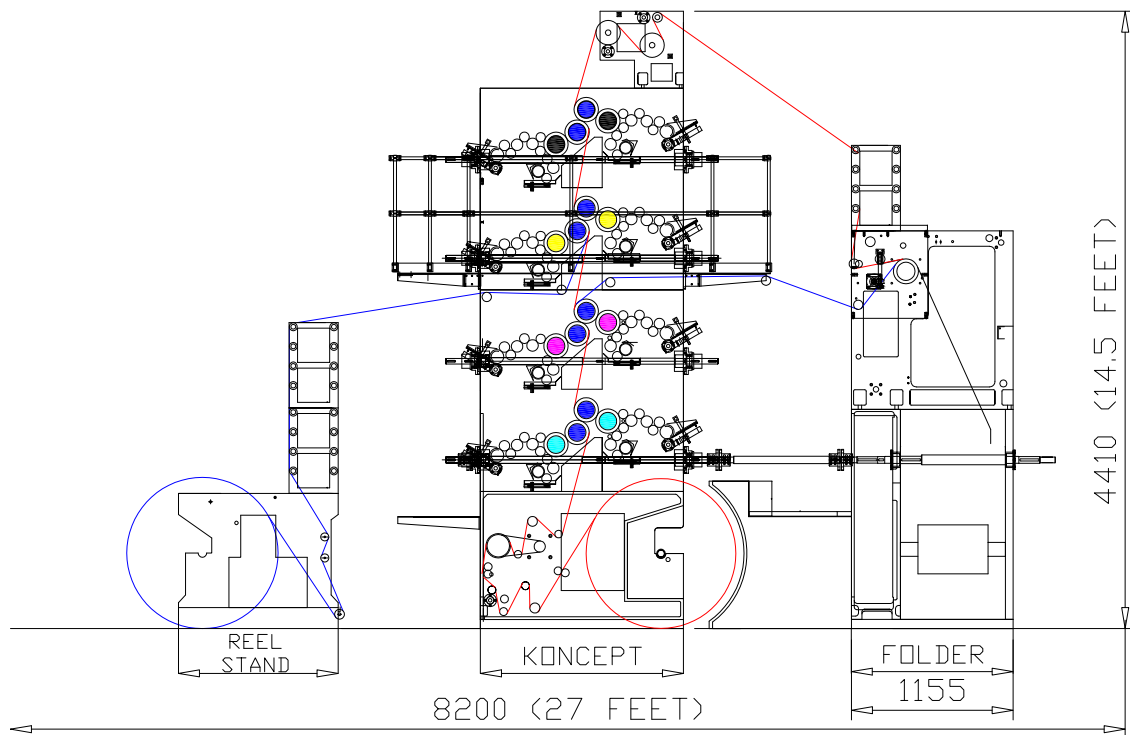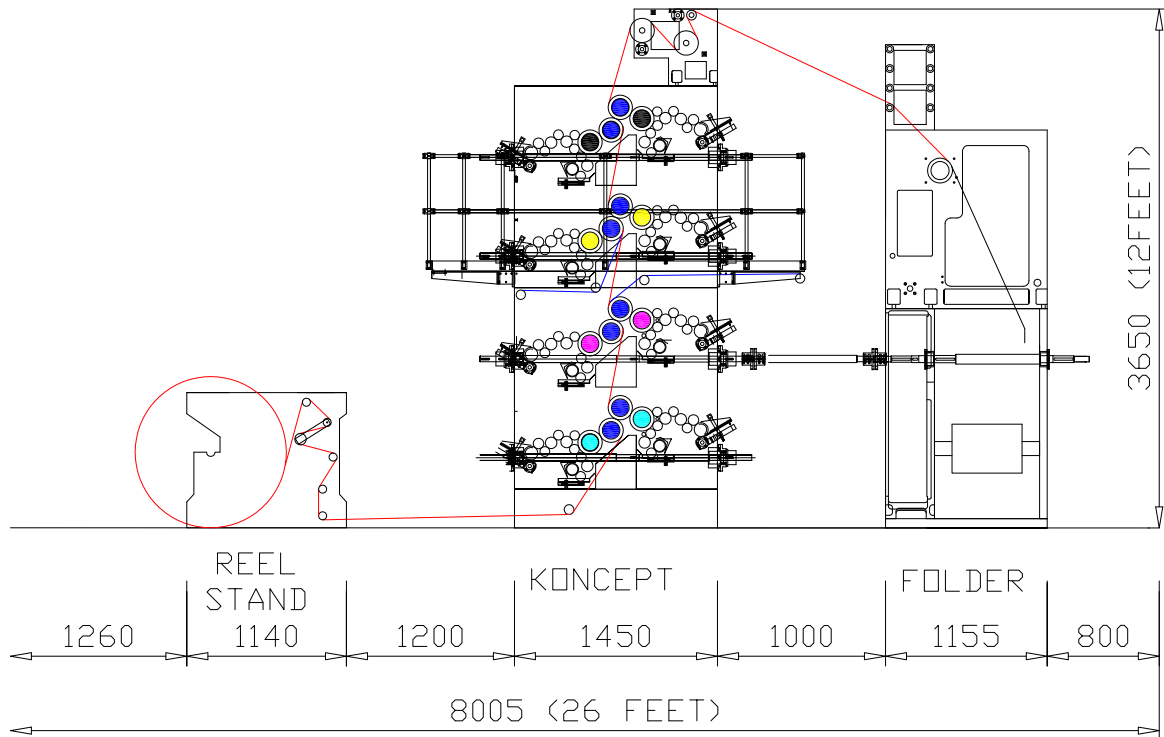| Cut off size	Maximum web width	Plate width (unbent)	Blanket width with bars	Plate and blanket length	Plate Thickness	Blanket thickness with packing	Real Dia max
430mm (16.9")	685mm (27")	465mm (18.3")	470mm (18.5")	690mm (27.15")	0.3mm (0.012")	2.07mm (0.082")	1066mm (42")
450mm (17.3")	685mm (27")	465mm (18.3")	480mm (19.3")	690mm (27.15")	0.3mm (0.012")	2.07mm (0.082")	1066mm (42")
450mm (17.75")	685mm (27")	485mm (19.1")	490mm (19.3")	690mm (27.15")	0.3mm (0.012")	2.07mm (0.082")	1066mm (42")
460mm (18.1")	685mm (27")	495mm (19.5")	500mm (19.7")	690mm (27.15")	0.3mm (0.012")	2.07mm (0.082")	1066mm (42")
508mm (20")	914mm (36")	537mm (21.14")	546mm (21.45")	914mm (36")	0.3mm (0.012")	2.07mm (0.082")	1066mm (42")
535mm (21")	914mm (36")	565mm (22.24")	575mm (22.63")	914mm (36")	0.3mm (0.012")	2.07mm (0.082")	1066mm (42")
546mm (21.5")	914mm (36")	576mm (22.67")	585mm (24")	914mm (36")	0.3mm (0.012")	2.07mm (0.082")	1066mm (42")
560mm (22")	914mm (36")	592mm (23.3")	596mm (23.46")	914mm (36")	0.3mm (0.012")	2.07mm (0.082")	1066mm (42")
578mm (22.75")	914mm (36")	608mm (23.9")	615mm (24.21")	914mm (36")	0.3mm (0.012")	2.07mm (0.082")	1066mm (42")
585mm (23")	914mm (36")	618mm (24.33")	625mm (24.6")	914mm (36")	0.3mm (0.012")	2.07mm (0.082")	1066mm (42")
630mm (24.8")	940mm (37")	658mm (25.9")	668mm (26.3")	945mm (37.2")	0.3mm (0.012")	2.07mm (0.082")	1066mm (42")
660mm (26")	940mm (37")	692mm (27.16")	700mm (27.5")	945mm (37.2")	0.3mm (0.012")	2.07mm (0.082")	1066mm (42")
762mm (30")	1040mm (41")	796mm (31.33")	800mm (31.5")	1040mm (41")	0.3mm (0.012")	2.07mm (0.082")	1066mm (42")

Folding Options

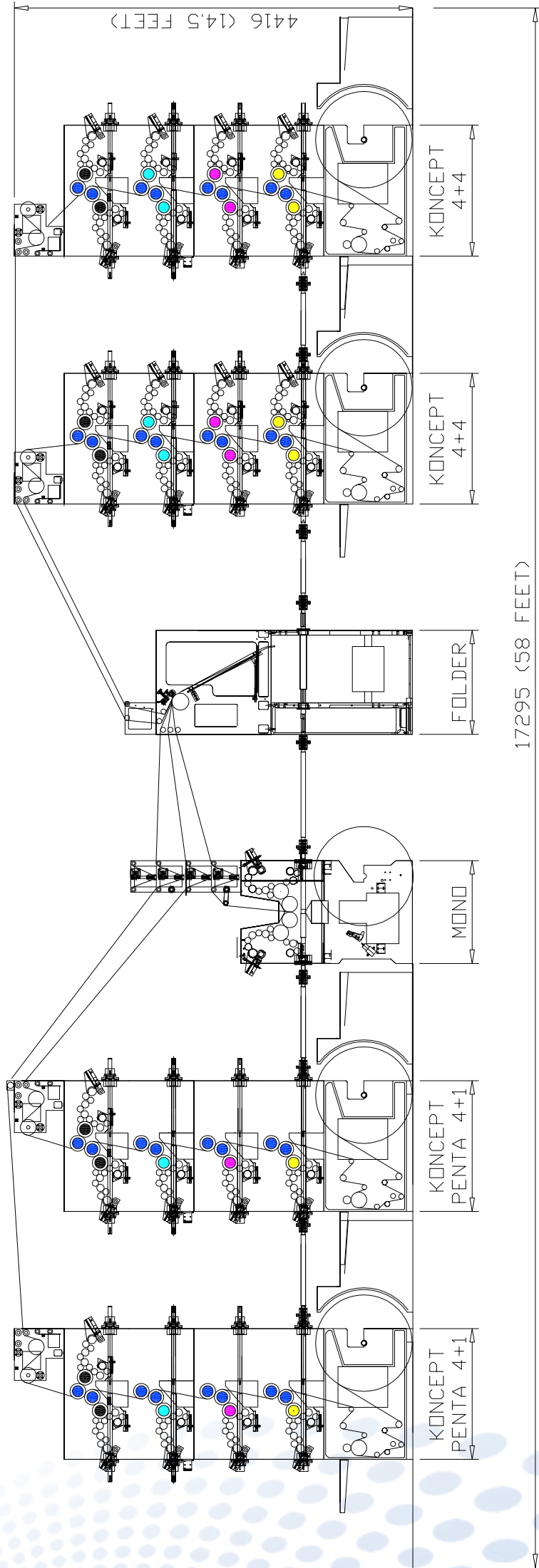| Cut offs	Standard Web Width	Broadsheet	Tabloid	Quarter (Magazine)	Double Parallel or Digest (2-on)
430mm	508mm to 685mm	254mm to 342mm x 430mm	215mm to 254mm x 342mm	122mm to 171mm x 215mm	107mm to 254mm x 342mm
450mm	508mm to 685mm	254mm to 342mm x 450mm	225mm to 254mm x 342mm	122mm to 171mm x 225mm	112mm to 254mm x 342mm
460mm	508mm to 685mm	254mm to 342mm x 460mm	230mm to 254mm x 342mm	122mm to 171mm x 230mm	115mm to 254mm x 342mm
508mm	710mm to 864mm	355mm to 432mm x 508mm	254mm to 355mm x 432mm	177mm to 216mm x 254mm	127mm to 355mm x 432mm
533mm	762mm to 864mm	381mm to 432mm x 533mm	266mm to 381mm x 432mm	190mm to 216mm x 266mm	133mm to 381mm x 432mm
546mm	762mm to 864mm	381mm to 432mm x 546mm	273mm to 381mm x 432mm	190mm to 216mm x 273mm	136mm to 381mm x 432mm
560mm	810mm to 914mm	405mm to 457mm x 560mm	280mm to 405mm x 457mm	202mm to 228mm x 280mm	140mm to 405mm x 457mm
578mm	840mm to 914mm	420mm to 457mm x 578mm	289mm to 420mm x 457mm	210mm to 228mm x 289mm	144mm to 420mm x 457mm
585mm	840mm to 914mm	420mm to 457mm x 585mm	292mm to 420mm x 457mm	210mm to 228mm x 292mm	146mm to 420mm x 457mm
762mm	1016mm	This is a special machine along with special attachment on folder	To give 32 pages of size:		190mm to 254mm

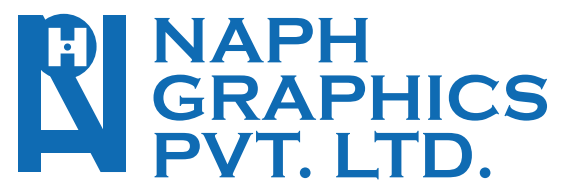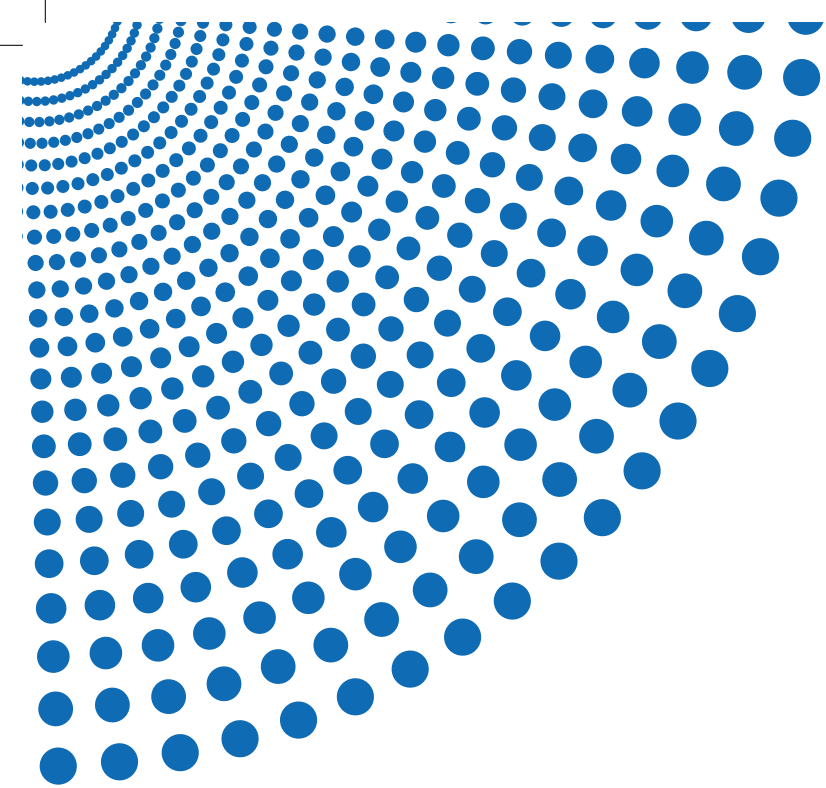Any technical data and illustrations may be altered without notice

Combination

Some **Combination**

REEL
STAND   KONCEPT   FOLDER

| 1260 | 1140 | 1200 | 1450 | 1000 | 1155 | 800 |

3650 (12FEET)

8005 (26 FEET)

REEL
STAND   KONCEPT   FOLDER
1155

4410 (14,5 FEET)

8200 (27 FEET)

Combination

4416 (14,5 FEET)

KONCEPT 4+4

KONCEPT 4+4

FOLDER

17295 (58 FEET)

MONO

KONCEPT PENTA 4+1

KONCEPT PENTA 4+1

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