

A **DoWell Swiss T Series, 9 Colour UV Combination Printing Press - 2007**  
Flexographic Printing and Converting System

Maximum Web Width	450mm
Maximum Printing Width	420mm
Printing Repeat	620mm
Maximum Press Speed	150m/min
Substrate Thickness	Min 60gsm to 350gsm

**B. INFEED SECTION**

- B(i) 1 Set **Unwind Module**  
1200mm standard unwind with pneumatic roll lift  
3" air core chuck  
Montalvo CD 136  $u=0.45$  Pneumatic clutch  
Pneumatic control dancing roller  
Montalvo D-3100 ce control system  
Splicing table with air lock-up  
"RE" Electric web edge guide  
End of roll detector
- B(ii) 1 Set **Web Break Detector**  
Standard with 2 sensors  
located at unwind and exit pacing station
- B(iii) 1 Set **Montalvo Infeed Tension Control with EL web guide**  
MITSUBISHI servo motor  
EL type tension control  
Precision Nip roller  
Base unit , L= 850mm  
VOGEL 360 degree running registration
- B(iv) 1 Set **Nip Module**  
Lateral registration control  
Alloy steel foil stamping base for good rigidity  
MITSUBISHI servo motor  
EL type tension control  
Precision Nip roller

**ITEM QTY DESCRIPTION**

B(v)	1 Set	<b>Corona Treatment Unit &amp; Web Cleaner</b> Kelva corona web cleaner system model CC-Plus 450 Film width -450mm Centre-295mm Web treatment –single sided Opening for web-Electro-pneumatic 1 CP unit for CC Plus, model CP1C-20 kW MK□ Corona power output -2.0 k W Power consumption-2.5 KVA 1 Ventilator for ozone exhaust, Model DG 30 Stactic Pressure-1.76 KPA Air capacity-14m3/min Power line voltage -230V /50Hz/1ph
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**C. PRINTING SECTION**

C(i)	4 Sets	<b>T Series Printing Base Unit</b> 2 sets VOGEL 360degree running registration 2 sets print stations Interchangeable to all print units 2 sets Panasonic motor 2 sets Panasonic gear-box 2 sets registration and metering device Aluminium transfer roller , d=105mm Base unit L= 1700mm Driven chill system, doubled – walled water chill roller d=210mm, hose d=30mm Provision hot air drying UV and chill roller stations
C(ii)	1 Set	<b>T Series Single Printing Base Unit</b> 1 set VOGEL 360degree running registration 1 set print stations Interchangeable to all print units 1 set Panasonic motor 1 set Panasonic gear-box 1 set registration and metering device Aluminium transfer roller , d=105mm Base unit L= 850mm Driven chill system, doubled – walled water chill roller d=210mm, hose d=30mm Provision hot air drying UV and chill roller stations
C(iii)	9 Sets	<b>Flexo Printing Module</b> Interchangeable to all print units Automatic throw off Quick lifting printing cylinder features Lateral registration control Precision impression roller Quick change reverse angle doctor blade assembly controlled by SMC cylinder Light weight laser engraved ceramic anilox roller (according to customer specification) Helical gear printing cylinder (according to customer specification ) Pull out quick change anilox system with tool less setting design Anilox roller rotation device Pneumatic doctor blade Anilox roller without gear

C(v)	1 set	<b>Cold Foil Module</b>	<p>Interchangeable to all print units</p> <p>Movable rail for both matrix unwind and rewind unit</p> <p>Both unwind and rewind units are controlled by:</p> <p style="padding-left: 40px;">Mitsubishi servo motor 0.75 kw</p> <p style="padding-left: 40px;">montalvo clutch 67.8 Nm</p> <p>Φ3" air core chuck with pneumatic pipe coupling</p> <p>Air core chuck device for charge and deflation controlled by electricity</p> <p>Adjustment friction device</p> <p>Montalvo CD104</p> <p>Pneumatic control panel</p> <p>MITSUBISHI servo motor</p> <p>VARVEL gear-box</p> <p>Matrix unwind module and Matrix rewind module made up of Cold Foil Module</p> <p>one lamination attachment</p>
C(vi)	9 sets	<b>Ink Pump</b>	<p>For 1 printing unit</p>
C(vii)	9 Sets	<b>IST UV Curing System</b>	<p>IST MBS-5 UV curing system</p> <p>UV lamp power is 400W/in</p> <p>UV electrical cabinet</p> <p>UV box</p> <p>Base unit installed UV box</p> <p>Driven chill system, doubled – walled water chill roller d=210mm, hose d=30mm</p> <p>380V, 3 phase, 50+60Hz</p>

**ITEM QTY DESCRIPTION****D. PROCESSING SECTION**

D.(i)	1 sets	<b>Die-cutting Base Unit</b> 2 sets VOGEL 360degree running registration 2 sets die-cutting stations Interchangeable to 2 sets die-cutting stations 2 sets Panasonic motor 2 sets Panasonic gear-box 2 sets registration and metering device Base unit L= 1400mm
D.(ii)	2 Sets	<b>Die Cutting Module</b> Interchangeable to all print units and die-cutting units Lateral registration control Alloy steel foil stamping base for good rigidity High rigidity anvil roller Adjustment pressure device optional die cutting , impression, embossing, lamination, tension separate etc operation
D.(iii)	2 Sets	<b>1 Pair Die Pressure Measuring Device</b> Rotometrics or equivalent Measures pressure on the tool (0-3,000PSI)
D.(iv)	1 Set	<b>Matrix Removal Module</b> Φ3" air core chuck with pipe coupling MITSUBISHI servo motor VARVEL gear-box Air core chuck electricity control device for charge and deflation Adjustment friction device Rail glide unit
D.(v)	1 set	<b>Universal Unwind / rewind Unit</b> Refer Item C.(v) - Cold Foil Unit

**E. OUT FEED SECTION**

E.(i)	1 Set	<b>Exit Pacing unit / Latter Die-cutting Base Unit</b> 3 sets VOGEL 360degree running registration 1 set for die-cutting stations 1 set for die-cutting and nip stations 2 sets Panasonic motor 2 sets Panasonic gear-box 2 sets registration and metering device Base unit L= 1400mm
E.(ii)	1 Set	<b>Die Cutting and Nip Module</b> Lateral registration control Alloy steel foil stamping base for good rigidity High rigidity anvil roller Adjustment pressure device MITSUBISHI servo motor EL type tension control Precision Nip roller 3 sets high alloy slitting blade

**ITEM QTY DESCRIPTION**

E.(iii) 1 Set **BST Promark Web Video System**  
BST Promark Web Video System  
PowerScope 3000  
17" monitor  
Resolution 450 lines  
CCD Camera with 8X zoom, capable of handling 40X magnification  
Adjustable zoom, iris and focus setting  
multi-monitor mode options

**F. STORAGE SECTION**

F.(i) 1 St **Duplex Rewind**  
2 separate driver  
Motor adjust output moment according to rewind diameter to keep stable tension  
2 x 650 mm rewind with 3" air core chucks

**G. DRIVE AUTOMATION SECTION**

G.(i) 1 Set **Main Drive System & Mobile Control Panel**  
LENZE main drive and control system  
Base unit , L=1000mm  
Main control platform removable  
"Pro-Face" color touch screen display  
Multi-languages capabilities  
Expandable up to 12 stations  
Self dialogistic system  
OMRON PLC control system  
380V 3 phase 60Amp  
Main electrical cabinet

G.(ii) 1 Set **Chilling Machine for Chill Roller**  
7.5KW generating a pump capacity of 4.14m<sup>3</sup>/hour

G.(iii) 1 Set **Automatic Registration Control - Sensatec**  
Includes 4 Flexo amplifiers and 8 scanners  
(first station is register controlled but does not require a scanner)  
Includes 2 Die Station Amplifiers and 4 scanners  
Control Panel

**H. ACCESSORIES**

H.(i) 1 Set **Rail System**  
Included as standard across the length of the DoWell Press

H.(ii) 1 Set **Web Turn Bar**  
High intensity bracket  
2 sets high rigidity web turn air spring roller  
Adjustment tolerance advice  
Adjustment web turn position  
Rail glide unit

H.(iii) 1 Set **Separate Laminating Unit**  
As per cold foil Unit in Printing Section - Item: C.(v)