

AQF 2530 ADVANCED TOWER PROCESSING SYSTEMS

AQF FLEXO PLATE PRODUCTION EQUIPMENT



DISCOVER THE NEXT GENERATION OF WATER WASH FLEXOGRAPHIC PLATE TECHNOLOGY

PRECISION FOR HIGH-QUALITY PLATES

Engineered for precision, the AQF range ensures flexo plate production with perfect detail and sharpness. The result is enhanced print quality and consistency, boosting press performance.

ECO-FRIENDLY & SUSTAINABLE OPERATION

With no solvents required in the engraving process, our equipment fosters a healthier and more sustainable workplace. Additionally, it is designed with energy efficiency in mind, significantly reducing electricity and water consumption, providing both environmental and cost benefits.

INTUITIVE & ERGONOMIC DESIGN

Featuring a user-friendly interface, these machines allow operators to easily navigate and manage settings, minimising training time and increasing operational efficiency. Ergonomic design prioritises comfort and productivity, ensuring a seamless experience from start to finish.

Ideal solutions for businesses seeking to combine high-quality output with operational excellence and reduce their environmental impact. Experience the next level of processing & water washable flexo plate technology today.

KEY FEATURES - TOWER PROCESSOR FOR FLEXO WATER WASH PLATES

AQF 2530 ADVANCED FUNCTIONS: PLATE EXPOSURE / PLATE PROCESSING / DRYING / LIGHT FINISHING

Considered the most user-friendly 2530 Advanced tower model of the market

Independent processing sections

Compatible with analogue and digital plates

Whole plate surface washout - orbital brush action

Main exposure and finishing sections have LED status indicators for each lamp

Intuitive user-friendly HMI touchscreen controlling all the steps of the process

Temperature control of the washout solution and dryer

Easy manual brush setting

Remote connection possibility

Filtration unit included

Unique plate holder movement

Fumes exhaust

Waterless plate loading area

TOWER PROCESSOR

AQF 2530 ADVANCED – FOR USE WITH DANTEX FLEXO PLATES

EQUIPMENT SPECIFICATIONS

MODEL	AQF 2530 Advanced
Max plate size (mm)	650 x 787
Standard plate size (mm)	635 x 762
Max plate thickness (mm)	2.84
Unit Dimensions (mm, l/w/h)	1283 x 1210 x 1235
Max height with lid open (mm)	xxxxxxxxxx
Filter Dimensions (mm)	680 x 580 x 1200
Net unit weight (kg)	470
Gross unit weight (kg)	635
Power Supply (UK/CE)	400V 3PH+N+GND 50 Hz 19.5A
Power Supply (US)	230V 3PH+N+GND 60 Hz
Power kW	11.8
Compressed air	0.55 MPa, 80 PSI
Tank capacity (L)	95 tank + 23 filter
UVA Exposure Lamps	13 X 60W 10R L1200
UVA Post-Expo Lamps	12 X 60W 10R L1200
UVC Lamps	11 X 36W L1200
Noise level	<70db



Dantex Group pursues a policy of continuous product improvement; therefore equipment specifications are subject to change without notice.

AQUAFLEX PLATE FEATURES

- Processing time: 30 min. (635mm x 762mm)
- Perfect highlights.
- Gradations from 1% to 99% up to 200lpi
- Due to low bump needed, all highlight details visible in print.

(Processing times vary due to equipment, plate type and customer requirements)

INTEGRATED FLAT TOP DOTS

Due to the special polymer composition, the Aquaflex plate naturally forms flat top dots for better highlights and the best achievable print quality. 1% flat top dots can be achieved without using complex systems such as oxygen elimination. The stability of the flat top dot profile creates a more durable image surface for more consistent printing and smoother edges.

- Improved contrast and tonal range.
- Excellent ink transfer for high density with fine anilox rollers.
- Tough and abrasion resistant polymer for long runs.
- Naturally forms a FLAT TOP DOT.
- Better ink transfer and print quality.



TYPE	THICKNESS	ANALOGUE	DIGITAL	SHEET SIZES (mm)	SHORE A	APPLICATION	INK COMPATIBILITY
OPM	1.14 / 1.70 / 2.84	✓	-	610 x 762	60/65	Labels/Flexibles/Bags	Water/Solvent/UV
OPH	1.14 / 1.70 / 2.84	✓	-	610 x 762	65	Labels/Flexibles	Water/Solvent/UV
DOPM	1.14 / 1.70 / 2.84	-	✓	635 x 762 / 900 x 1200 / 1067 x 1524	60/65	Labels/Flexibles	Water/Solvent/UV
DPAH	1.14 / 1.70 / 2.84	-	✓	635 x 762 / 900 x 1200 / 1067 x 1524	70	Labels/Flexibles	Water/Solvent/UV

AQUAFLEX SYSTEM TECHNICAL & MAINTENANCE FEATURES

UNMATCHED RELIABILITY & LONGEVITY

Designed and built to endure even the most demanding production environments, Dantex equipment offers years of reliable service, consistently delivering superior results with minimal maintenance.

PROVEN PERFORMANCE & INNOVATION

Backed by years of development and refinement, our flexo plate processors have been rigorously tested and are trusted by industry leaders worldwide. Innovation and consistency ensure they remain at the forefront of the flexographic printing industry.