

Amsterdam 2



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| <p>General information</p> | <p>The Amsterdam series of testers is a range of flexible, multi-purpose testers with 1, 2 up to a maximum of 6 printing shafts (printing stations).</p> <p>Through the use of the latest technological features in motor controlling it is possible to reach very small times between successive prints, dampening and print, print and counter print or set-off prints. This opens the door to a large range of new test methods, not possible until now.</p> <p>The Amsterdam 2 is a fully automated tester with constant, increasing and combined speed modes. With that it is capable to perform all tests of the AIC2-5, GST-P plus the tests of a GST-3. Additionally it is prepared to do on-line analysis of mottling, Heliotest, IGT roughness and Print penetration with a camera based analysis system.</p> |
| <p>Measurement</p> | <ul style="list-style-type: none"> • Prepare prints in accordance with different international and national standards for colour measurement, density measurement, gloss, mileage, coverage, wear resistance, abrasion resistance, flexibility, adhesion, ink transfer (in g/m²), light fastness, resistance to chemicals etc. • Testing printing quality, mottle (print, ink trap, water interference, halftone), picking, linting, set-off, striking through, loose and weakly bound paper particles, Heliotest, print penetration, IGT roughness,, etc. • Can perform all tests described in the IGT W-Leaflets |
| <p>Features</p> | <ul style="list-style-type: none"> • Can test small quantities of ink and substrate in conditions simulating actual practice • All parameters can individually be altered, independently from each other • Makes colour strips with various inks, letterpress, offset, gravure, flexo, conventional and UV • Makes prints on various substrates like paper, board, plastics, films, laminates • Prints can be used for numerous purposes, including measurement by camera of Heliotest missing dots, mottle, print |

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| | <ul style="list-style-type: none"> penetration, IGT roughness, • Save on costs because fewer tests need to be made on a printing press • Simple to operate due to flexible software, on-screen instructions, pre-programmed test methods • Simple operation and fast learning curve through integrated PC with touch-screen • Very reliable and sturdy construction for intensive use over a long period • Easy and quickly to clean • Camera for on-line scanning of test results (mottling, Heliotest, print penetration, IGT roughness) • Immediately assessment of test results after printing and scanning, no more sample handling • Transfer of test results to computer for future reference or further investigation • Printing form and impression cylinder can simple and quick be changed • High Repeatability and reproducibility • Printing force adjustable from 100 to 1000 N, steps of 1 N, preset values in conformance with the test methods can be fixed • Constant speed from 0,2-4 m/s step of 0,1 m/s • Accelerating speed from 0,5-4 /s end speed, step of 0,1 m/s, preset values in conformance with the test methods can be fixed • Combination of speeds can be programmed: constant-accelerated, constant with intervals • Suitable for one or two printing forms • Maximum printing width 50mm • All test methods are pre-programmed and used can easily add own test methods |
| <p>User advantages</p> | <ul style="list-style-type: none"> • The tiltable touchscreen makes it easier to operate the system for smaller people • Easy to operate, short training / learning period • User-independent testresults • Shorter intervals possible through shorter start & stop • On-site installation of new software, custom designed test or other analysis software • All printing discs of C-type can be used but not synchronized • No more handling of the sample between print and analysis |
| <p>Technical data</p> | <p>Electrical connection: 220 Vac / 50 -60 Hz</p> <p>Weight: Net weight – ±75kg</p> <p>Dimensions (HxWxD): 640 x 500 x 600 mm</p> |

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| <p>Accessories</p> | <ul style="list-style-type: none"> • Mottle (print, ink trap, halftone) • Heliotest • Damping • Flexo • Print penetration • IGT roughness • Gravure |
| <p>Related standards and test methods</p> | <p>ISO 3783 Pick testing ISO 2834-1 Laboratory prints with paste inks ISO 2834-2 Laboratory prints with liquid inks ISO 2836 Resistances and fastness ISO 2846-1 Colour and transparency of paste inks ISO 2846-2 Colour and transparency of news inks ISO 2846-3 Colour and transparency of gravure inks ISO 2846-5 Colour and transparency of flexo inks EN 12283 Toner adhesion ASTM xxxxx Colour drawdown Tappi 514 NEN 1836-1, -2 print penetration NEN 1839 roughness UNI SCAN P63.90 W-leaflets:</p> <ul style="list-style-type: none"> • Pick test with aluminium printing disc (ISO 3783, TAPPI T514 and SCAN P 63.90) • Pick test with a rubber printing disc • Toner adhesion (EN 12283) • Linting • Print penetration • Roughness & Roughness on rubber blanket • Felt- and wire side • Mottle • Colour / density (ISO 2846-1, -2, -3, -5) • Chemical resistance (ISO 2836) • Printing smoothness • Scumming • Print through • Fluff • Wet-in-wet printing • Wet pick / wet repellence • Set-off • Heliotest • Screened printing • Gloss (ISO 15995) • Ink transfer • Imaging and wipe-ability of carbon and carbonless paper • Absorption of rubber blanket • Embossing |