MARTEK Industries

valentin DRUCKSYSTEME

CLS Compact Labelling System

Printing and applying in one step.

Quality . Tradition . Innovation

CLS Compact Labelling System – an ideal combination for all sectors.

With CLS, our key competences are combined with one another in a unique fashion: print module (ILX) and applicator unit (APX) or wipe-on applicator (WMX) in one system.
The printing and applying of labels can thus occur in one step. This guarantees product labelling based on actual requirements in real time – quick and direct.
From company logos via text and bar codes to finest graphics: all possible content can be optimally put on a label with the Compact Labelling System. You can even put it directly on your product. Equipped with all current interfaces, the CLS fits smoothly into your packaging system infrasructure. The robust, aluminium construction ensures the maximum process reliability and guarantees the best print results at all times, even in challenging work environments.

> Printing and applying in one step

Simple, quick and flexible - In this way, you benefit from the combination of our competences in label printing. CLS stands for product labelling based on actual demands in real time. Almost all customer demands can thus be addressed individually.

> Different installation positions are possible

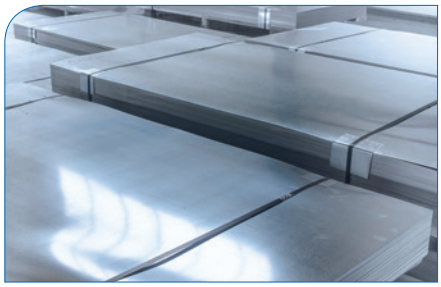
The CLS system can be integrated into practically every packaging system. As a result, the respective products can be labelled classically from above, but also from the side or even overhead – an almost limitless variety of application options.

Machines/Automation

Chemical industry

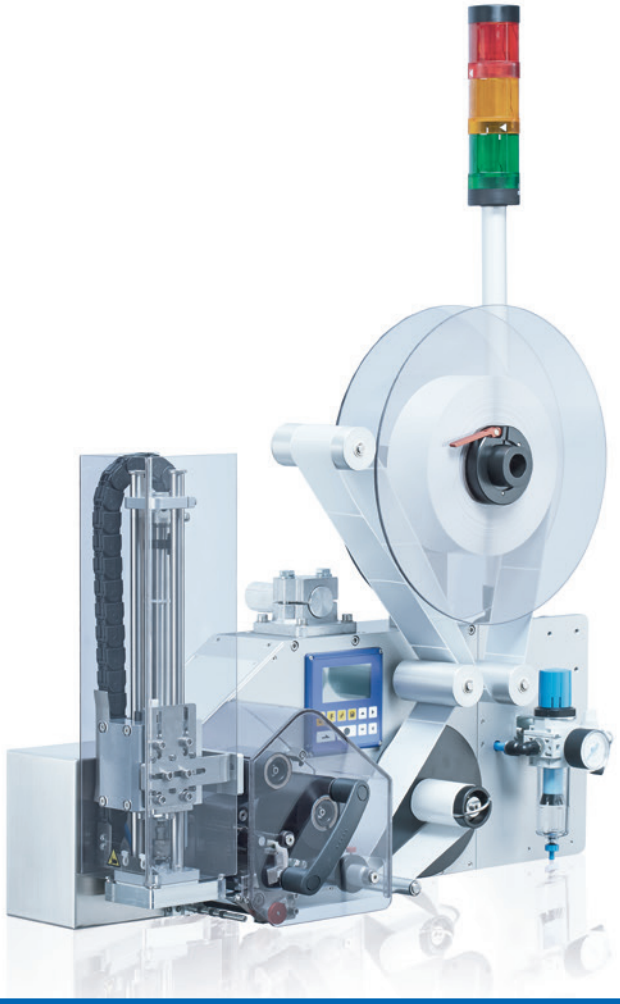
Wood industry

Industrial manufacturing



Food industry

Transport and logistics



CLS COMPACT LABELLING SYSTEM

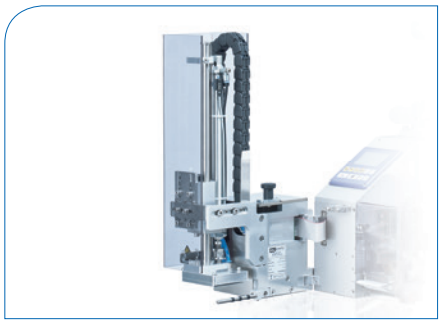
innovative . versatile . precise

- Printing and applying in one step
- Various mounting positions - even at the side and overhead
- Just in time and demand-oriented product labelling in real time
- Labelling onto packaging or product
- Signal lamp for indication of device status
- 'Quick-Apply' function (APX)
- Precision guiding for accurate positioning of labels
- Wipe-on procedure (WMX)
- Label sizes up to 90 x 200 mm
- Label unwinding unit up to Ø 300 mm

Flexible integration, highly variable

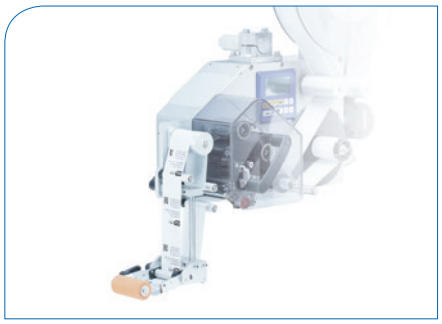
ILX 5X and 8X

> Right and left version
> Robust construction in aluminium and stainless steel
> Multilingual operating and disply unit, rotatable and displaceable (dependent on installation position)
> Integrated transfer ribbon rewinder
> External inputs/outputs for simple integration in packaging machines



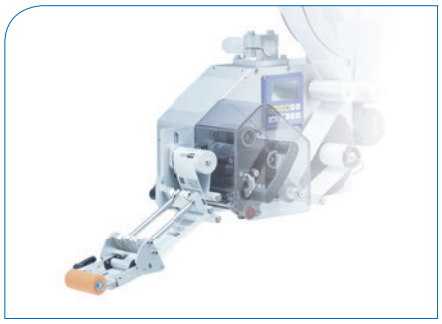
APX 7000

> Right and left version
> Variable product heights
> Label transfer: stamp on, blow on, roll on
> Labelling from top, bottom and from side
> Service unit
> Swing-type applicator



WMX 5015, 5115, 5215 and 5315

> Right and left version
> 90 degrees version
> Dispensing angle infinitely variable
> Holding shafts cut to length as needed
> Labelling from top, bottom and from the side
> Label transfer: with roll or brush



WMX 5010, 5110, 5210 and 5310

> Right and left version
> Dispensing angle infinitely variable
> Holding shafts cut to length as needed
> Labelling from top, bottom and from the side
> Label transfer: with roll or brush

WMX 5001, 5101, 5201 and 5301

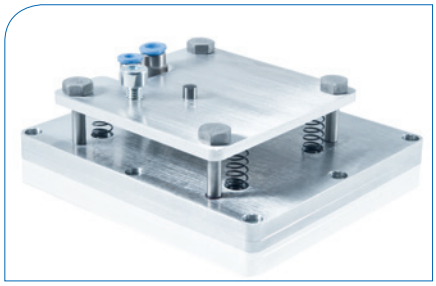
> Right and left version
> Dispensing angle adjustable
> Labelling from top, bottom and from the side
> Label transfer: with roll or brush

	ILX 56/8	ILX 80/8	ILX 54/12	ILX 81/12
Printing				
Print resolution	200 dpi	200 dpi	300 dpi	300 dpi
Print speed	max 300 mm/s	max 300 mm/s	max 300 mm/s	max 300 mm/s
Print width	max 56 mm	max 80 mm	max 54 mm	max 81 mm
Passage width	max 60 mm	max 90 mm	max 60 mm	max 90 mm
Printhead	Flat Type	Flat Type	Flat Type	Flat Type
Labels				
Adhesive labels, continuous labels	roll or fan-fold: paper, cardboard, textile, synthetics			
Material weight	max 220 g/m² (larger on demand)			
Label width	min 20 mm			
Label height	min 15 mm			
Label height	max 3000 mm			
Roll diameter internal rewinder external unwinder	 max 150 mm max 300 mm (option)			
Core diameter	40 mm / 76 mm			
Winding	outside or inside			
Label sensor	transmission			
Transfer ribbons				
Ink	outside or inside			
Core diameter	25.4 mm / 1“			
Roll diameter	max Ø 80 mm			
Length	max 500 m			
Width	max 55 mm	max 85 mm	max 55 mm	max 85 mm
Fonts				
Font types	6 bitmap fonts I 8 vector fonts/TrueType fonts I 6 proportional fonts I more fonts on demand			
Bar codes				
1D bar codes	CODABAR, Code 128, Code 2/5 interleaved, Code 39, Code 39 extended, Code 93, EAN 13, EAN 8, EAN ADD ON, GS1-128, Identcode, ITF 14, Leitcode, Pharmacode, PZN 7 Code, PZN 8 Code, UPC-A, UPC-E			
2D bar codes	Aztec Code, CODABLOCK F, DataMatrix, GS1 DataMatrix, MAXICODE, PDF 417, QR Code			
GS1 bar codes	GS1 DataBar Expanded, GS1 DataBar Limited, GS1 DataBar Omnidirectional, GS1 DataBar Stacked, GS1 DataBar Stacked Omnidirectional, GS1 DataBar Truncated			
Dimensions				
width x height x depth	201 x 241 x 375 mm	226 x 241 x 375 mm	201 x 241 x 375 mm	226 x 241 x 375 mm
Weight				
Weight	8.7 kg	9.6 kg	8.7 kg	9.6 kg
Interfaces				
Serial	RS-232C (max 115,200 baud)			
Parallel	SPP			
USB	2.0 High Speed Slave			
Ethernet	10/100 Base T, LPD, RawIP-Printing, DHCP, HTTP, FTP			
2 x USB Master	connection for external USB keyboard and memory stick			
Operating conditions				
Nominal voltage	110 – 230 V / 50 – 60 Hz			
Power	max 150 VA			
Operating temperature	5 – 40 °C			
Relative humidity	max 80 % (non-condensing)			

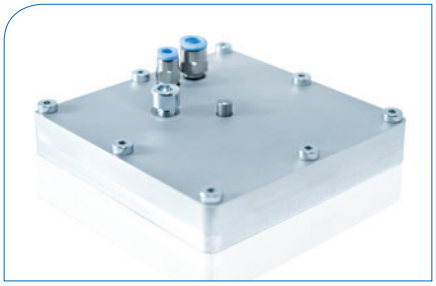
APX 7000			
Label transfer/operating modes	Stamp on	Blow on	Roll on
Label width			
ILX 56/8 and 54/12 ILX 80/8 and 81/12	20 – 60 mm 20 – 90 mm	20 – 60 mm 20 – 90 mm	20 – 60 mm 20 – 90 mm
Label height universal pad	15 – 210 mm	15 – 100 mm	70 – 210 mm
Label height universal pad	15 – 80 mm	15 – 80 mm	70 mm
Utilizable cylinder stroke			
200 mm cylinder 300 mm cylinder 400 mm cylinder 500 mm cylinder	170 mm 270 mm 370 mm 470 mm	170 mm 270 mm 370 mm 470 mm	200 mm 300 mm 400 mm 500 mm
Compressed air pressure	5 bar	5 bar	5 bar
Product surface	flat	flat	flat
Product height variable	●	–	●
Product height fixed	●	●	●
Product fixed	●	●	–
Product linear movement	–	●	●
Labelling from top	●	●	●
Labelling from bottom	●	●	●
Labelling from the side	●	●	●
Retraction depth	25 mm	–	–
Direction	right and left version		
Compressed air control/vacuum control	available		
Service unit	filter regulation with manometer and block valve		
Voltage supply/current supply	by label printing systems		
Dimensions APX (W x H x D)	237 x 423 x 126 mm		
Weight APX	5 kg		

The applicator APX 7000 is an additional module for the print systems of ILX series and serves the auto-matic application of printed labels onto a product. The direct and automatic label application is done using a stamp wich suctions and applies the label using vac-uum technology. The process is automatically moni-tored and controlled by sensors.

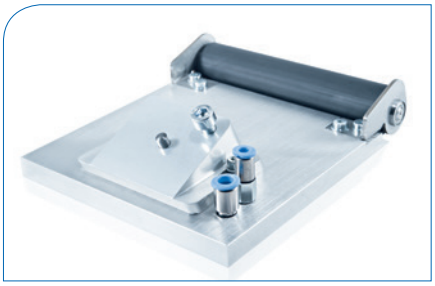
Stamp pad



Blow pad



Roll-on pad



Wipe-On Applicator	WMX 5015	WMX 5115	WMX 5215	WMX 5315
Print module	ILX 56/8 ILX 54/12 (right version)	ILX 56/8 ILX 54/12 (left version)	ILX 80/8 ILX 81/12 (right version)	ILX 80/8 ILX 81/12 (left version)
Passage width	60 mm	60 mm	90 mm	90 mm
Label width	min 20 mm			
Label height	min 15 mm, max 200 mm The maximum label height depends on the length of holding shafts as well as on the installation position of print module and wipe-on applicator.			
Buffer length	The buffer length from printhead to dispensing edge depends on the length of holding shafts as well as on the installation position of print module.			
Distance	The distance from bottom edge print module to labelling level is variable.			
Weight	1.5 kg [1]	1.5 kg [1]	1.8 kg [1]	1.8 kg [1]

[1] The weight refers to holding shafts with a lenght of 300 mm

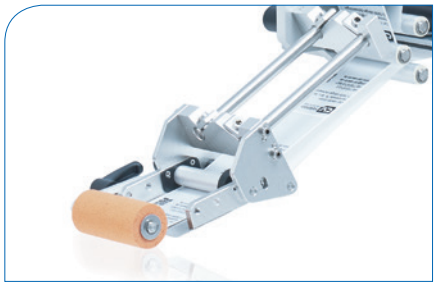
Wipe-On Applicator	WMX 5010	WMX 5110	WMX 5210	WMX 5310
Print module	ILX 56/8 ILX 54/12 (right version)	ILX 56/8 ILX 54/12 (left version)	ILX 80/8 ILX 81/12 (right version)	ILX 80/8 ILX 81/12 (left version)
Passage width	60 mm	60 mm	90 mm	90 mm
Label width	min 20 mm			
Label height	min 15 mm, max 200 mm The maximum label height depends on the length of holding shafts as well as on the installation position of print module and wipe-on applicator.			
Buffer length	The buffer length from printhead to dispensing edge depends on the length of holding shafts as well as on the installation position of print module.			
Distance	The distance from bottom edge print module to labelling level is variable.			
Weight	1.5 kg [1]	1.5 kg [1]	1.8 kg [1]	1.8 kg [1]

[1] The weight refers to holding shafts with a length of 300 mm

Wipe-On Applicator	WMX 5001	WMX 5101	WMX 5201	WMX 5301
Print module	ILX 56/8 ILX 54/12 (right version)	ILX 56/8 ILX 54/12 (left version)	ILX 80/8 ILX 81/12 (right version)	ILX 80/8 ILX 81/12 (left version)
Passage width	60 mm	60 mm	90 mm	90 mm
Label width	min 20 mm			
Label height	min 15 mm, max 130 mm			
Buffer length	296 mm – 389 mm (printhead to dispensing edge)			
Distance	14.9 mm [1] – 38.5 mm [2]			
Weight	0.8 kg	0.8 kg	1.0 kg	1.0 kg

[1] The first value refers to the minimum dispensing angle · [2] The second value refers to the maximum dispensing angle

Pressure roll



Pressure brush

> For applying the printed label onto the product
> For print module ILX 5X and ILX 8X
> Adapted for left and right device versions

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