



Indunorm Bewegungstechnik GmbH

Indumatik History

2004	First installation of an Indumatik linear axis robot in the company's own production area
2004	First sale of an Indumatik system
2005	Move to our new building in Duisburg
2006	Evolution of the Indumatik Light 25
2007	Evolution of the Indumatik Ultralight 35
2007	Evolution of the Indumatik Tool Changer for horizontal BAZ
2009	Evolution of the Indumatik 150
2010	Start of cooperation with OEM partners
2010	Evolution of the Indumatik Light 30, Light 60 and Ultralight 100
2012	Evolution of the Indumatik Light 500
2014	Annual target of 100 installations in retrofit achieved for the first time
2016	Evolution of the Indumatik Light 120
2017	Evolution of the Indumatik Tool Changer for vertical BAZ
2019	Evolution of the Indumatik 500

OEM-Partner

röders
TEC

MATEC
GmbH

ALZMETALLO
we drive productivity

Mazak

 **MAKINO**

AXA

GROB

HEDELIUS 

NSH
THE NSH GROUP

chiron

SPINNER

 **HERMLE**
besser fräsen

LITZ


SAMAG

emco group

IBARMIA.

Indumatik Systems

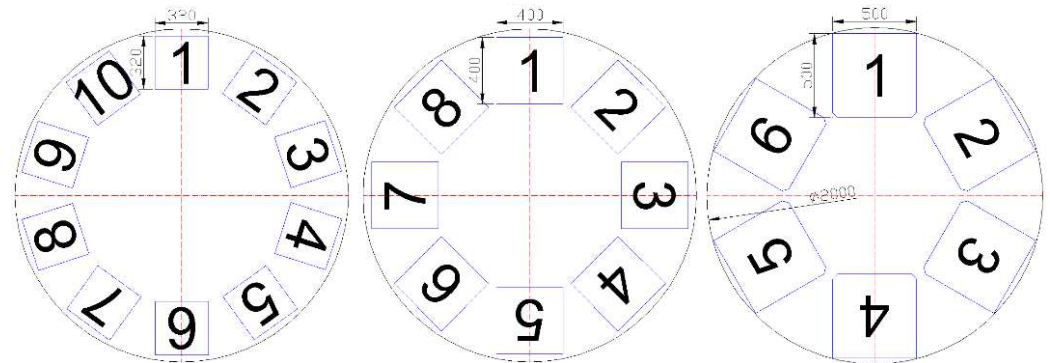


Indumatik Ultralight 100 / 300

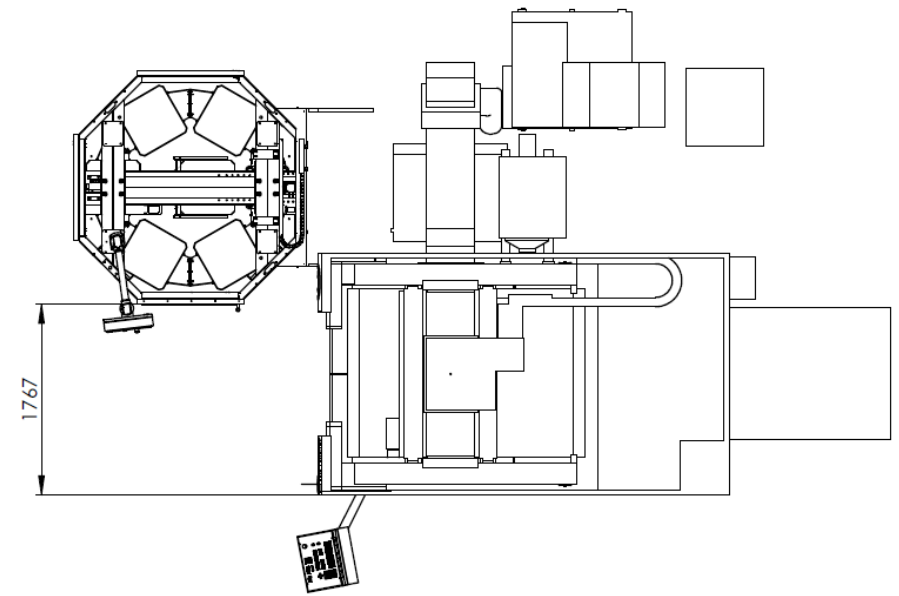
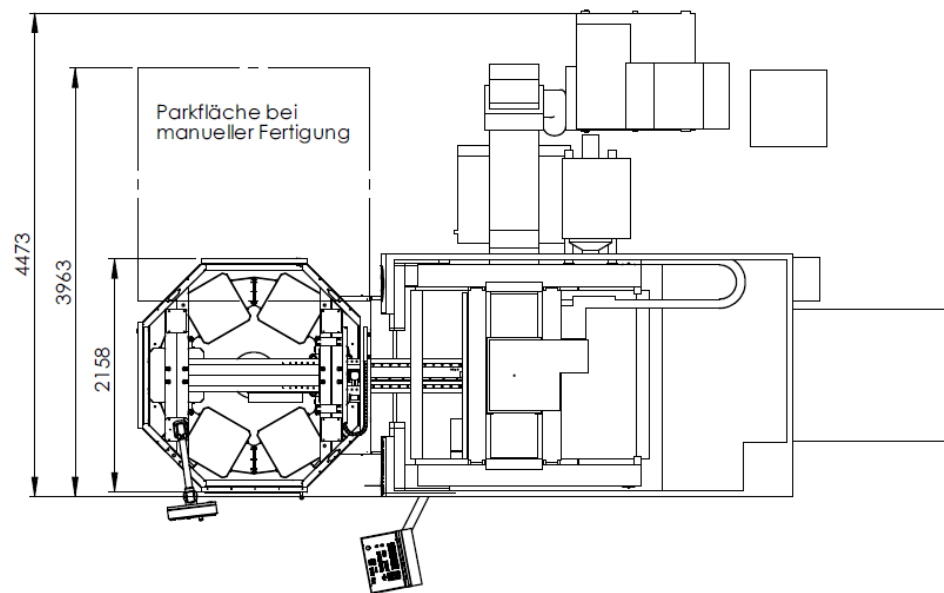


	Ultralight 100	Ultralight 300
Measures [B x T x H]	1700 x 1700 x 2000 mm	2100 x 2100 x 2100 mm
Transfer weight	100 kg	300 kg
Palett gripper	Fork gripper / zero point gripper	Fork gripper / zero point gripper
Place size [B x T x H]	200 x 200mm 320 x 320 mm 400 x 400 mm 500 x 500 mm	200 x 200 mm 320 x 320 mm 400 x 400 mm 500 x 500 mm
Number of places	16 – 30 / 8 / 6 / 4	20 / 10 / 8 / 6
Loading / unloading of workpiece	Loading door	Loading door

Indumatik Ultralight 300 table



Indumatik Ultralight 300 moving device



Indumatik Light 30 / 60



	Light 30	Light 60
Measures [B x T x H]	1740 x 1565 x 2400 mm	1900 x 1900 x 2400 mm
Transfer weight	30 kg	60 kg
Gripper	Fork gripper	Fork gripper
Place size [B x T x H]	240 x 190 mm	320 x 320 mm
Number of places	50	24
Loading / unloading of workpiece	Loading and unloading station	Loading and unloading station

Indumatik® Light 30 and Mazak Variaxis



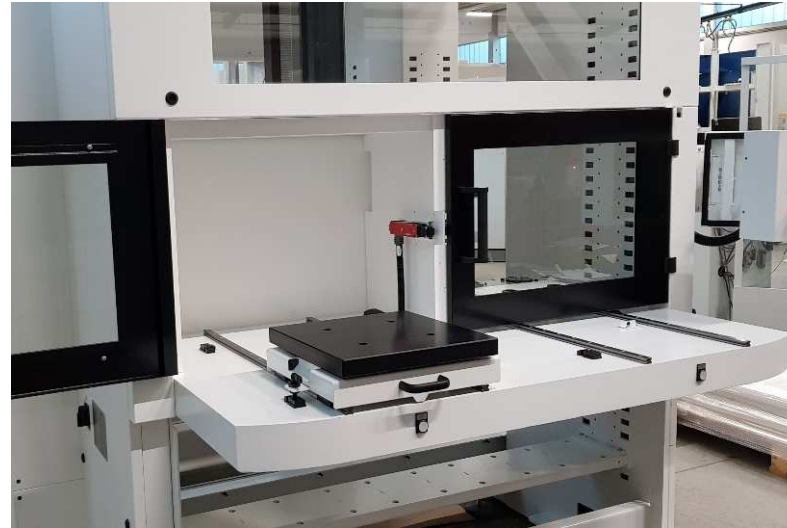
Moving device for loading from the front.

Indumatik Light 120

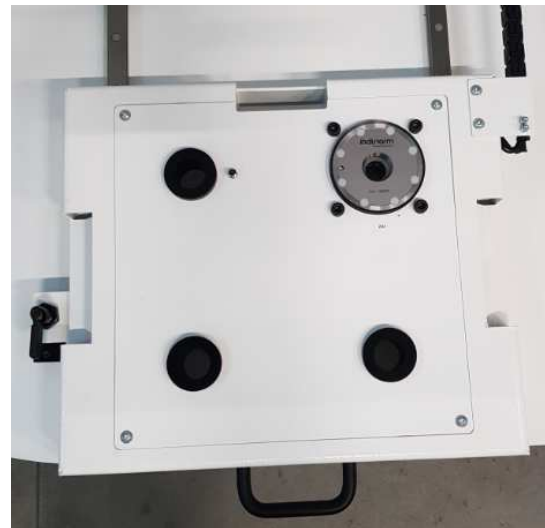


	Light 120
Measures [B x T x H]	2400 x 3000 x 2900 mm
Transfer weight	120 kg
Pallet gripper	Zero point gripper
Place size [B x T x H]	320 x 320 mm 400 x 400 mm
Number of places	30 / 24
Loading / unloading of workpiece	Loading / unloading of pallets Incl. Set-up option

Indumatik Loading and unloading station

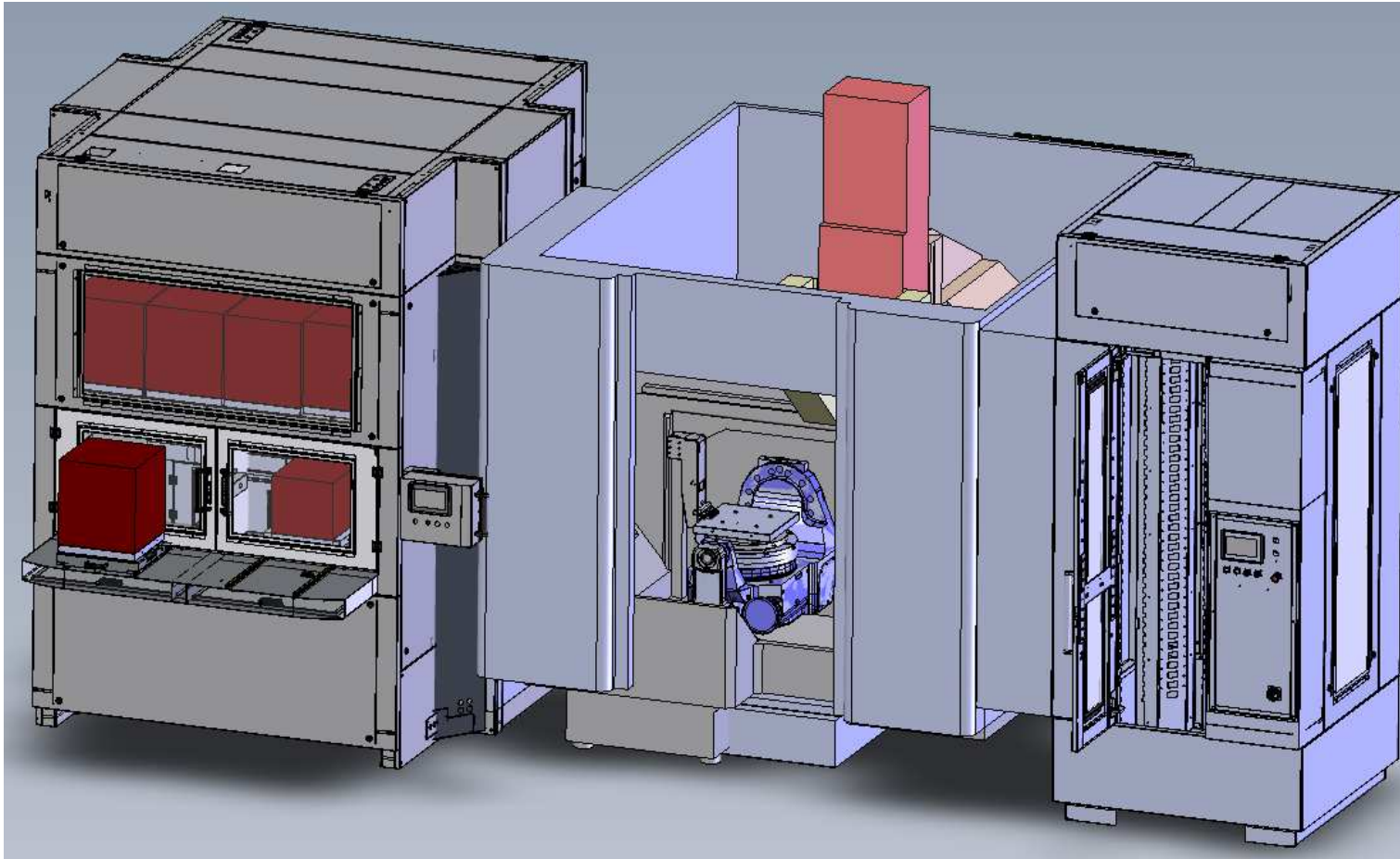


In- and output of workpieces via Loading station. Two drawers that can be operated alternately



Fixing the pallet for setting up workpieces

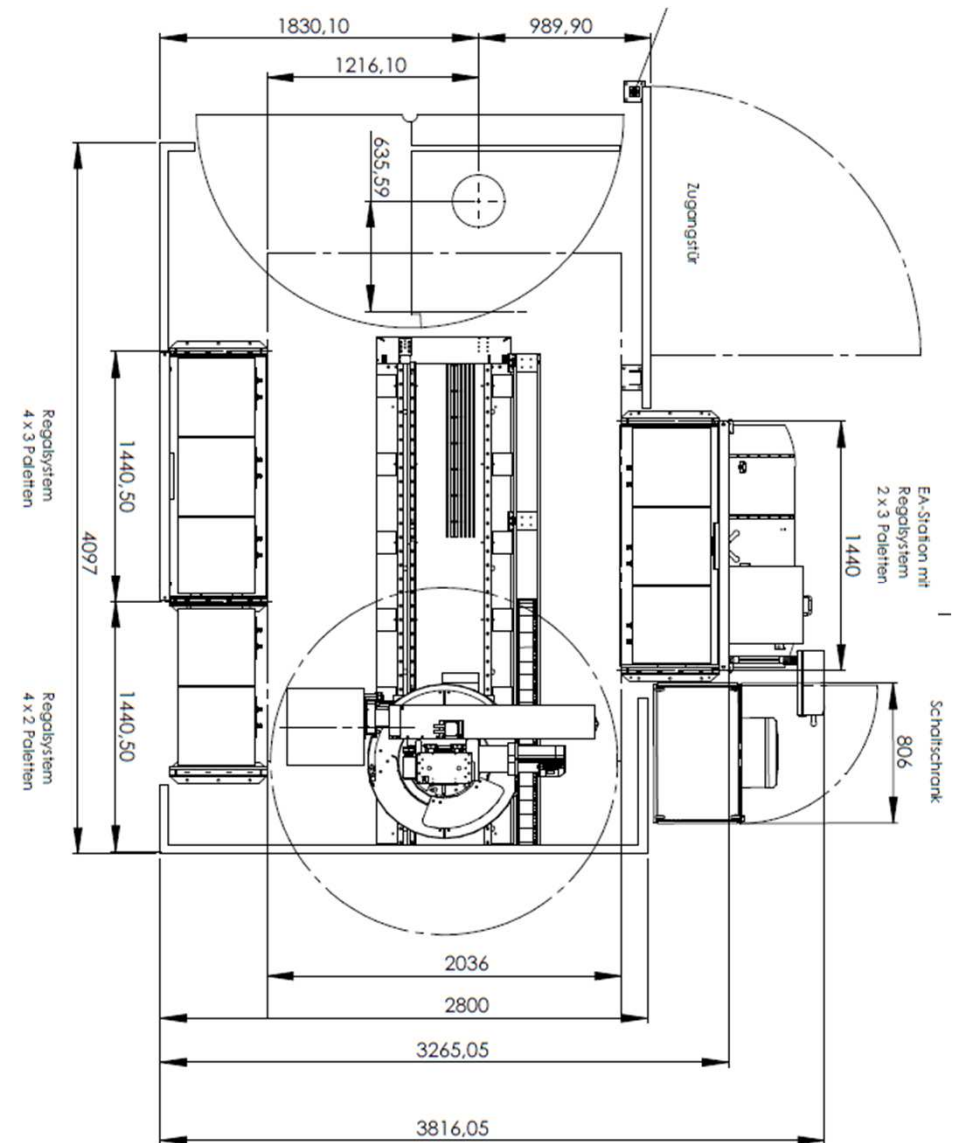
Indumatik® Light 120 and Mazak VRXJ6005X



Indumatik 150 / 500 linear

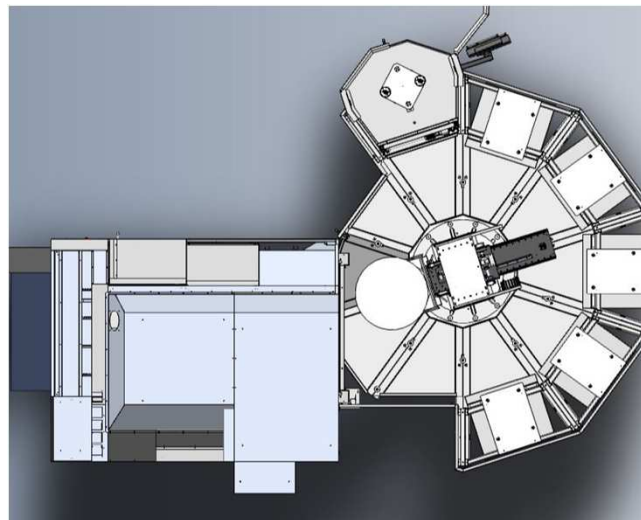
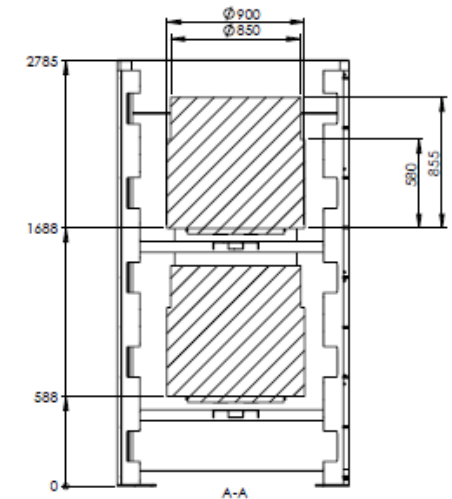


	I 150	I 500
Measures [B x T x H]	by Layout	by Layout
Transfer weight	150 kg	500 – 800 kg
Pallet gripper	Zero point gripper	Fork gripper
Place size [B x T x H]	200 x 200mm 320 x 320 mm 400 x 400 mm 500 x 500 mm 630 x 630 mm ...	200 x 200mm 320 x 320 mm 400 x 400 mm 500 x 500 mm 630 x 630 mm ...
Number of places	by Layout	by Layout
Loading / unloading of workpiece	Loading / unloading of pallets Incl. Set-up option	Loading / unloading of pallets Incl. Set-up option



Indumatik 500 radial

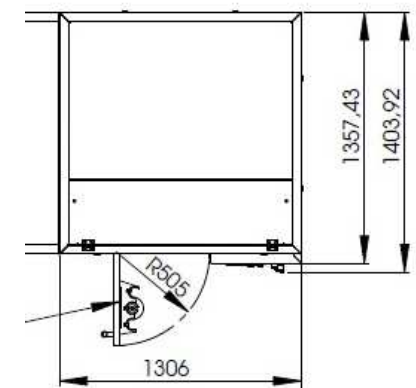
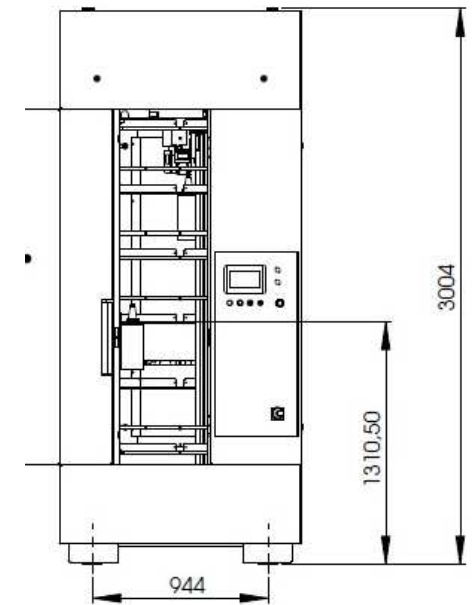
	I 500
Measures [B x T x H]	Ca. 5 x 5 m
Transfer weight	500 kg – 800 kg
Palett gripper	Zero point gripper
Place size [B x T x H]	630 x 630 mm 800 x 800 mm
Number of places	5 x 3 = 15 6 x 3 = 18
Loading / unloading of workpiece	Loading and unloading station



Indumatik Tool Changer I-41



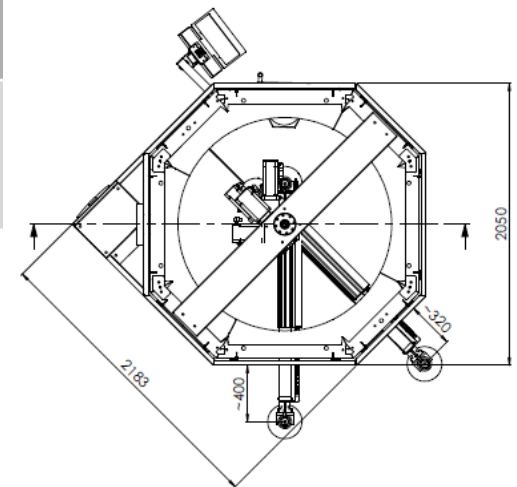
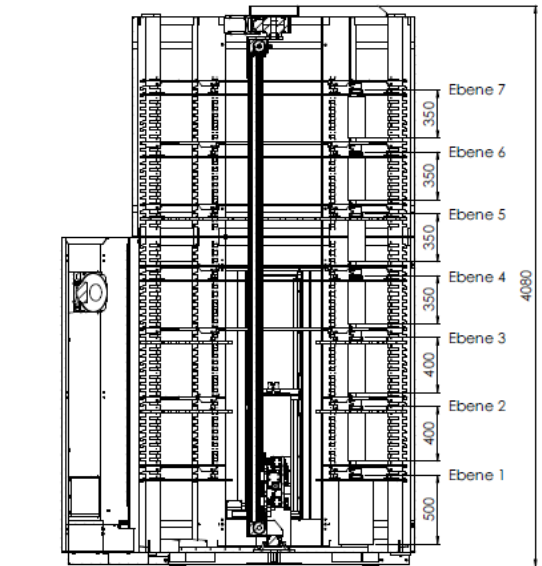
	ITC I-41 (HSK63)
Measures [B x T x H]	ca. 1,3 x 1,3 x 3 m
Transfer weight	15 kg
Tool gripper	Parallel gripper
Tool diameter	D = 80mm Dmax = 130mm (with free adjacent system)
Tool length	L = 280mm Lmax = 450mm
Shelf layout (Example)	40 x L= 450mm 184 x L= 280mm



Indumatik Tool Changer I-45



	ITC I-45 (HSK100)
Measures [B x T x H]	ca.2,2 x 2,1 x 2,9 m
Transfer weight	35 kg
Tool gripper	Parallel gripper
Tool diameter	D = 125 mm Dmax = 250 mm (with free adjacent system)
Tool length	L = 300mm Lmax = 500mm
Shelf layout (Example)	110 x L= 300 mm 30 x L= 350 mm 35 x L= 550 mm



Indumatik Applications

