

A person wearing a white protective suit, a blue face mask, and white gloves is holding a blue and white tablet. The person's face is partially visible through the mask. The background is a plain, light-colored wall.

Kambert

**NEXT GENERATION TECHNOLOGY FOR
TABLETING, PACKAGING AND INJECTABLES**

TABLETING

KX 100 INNOVATIVE TABLET PRESS



STANDARD FEATURES

- | GMP Model
- | Contact parts SS 316
- | Exchangeable turret facility
- | PLC With HMI Controls & 6" Colour touch screen
- | Force feeding system with ACVFD
- | Pre-Compression system
- | Sealed compression zone
- | 3 Piece turret with SS316 Die table (Upper & lower piece ELNP)
- | Seiko dial arrangement for depth of fill and tablet thickness
- | Std lower cam track 18mm depth of fill for D, B & BB Tooling
- | Seals on lower punches

OPTIONAL FEATURES

- | 3 Piece turret with HCP Die table (Upper & lower piece ELNP)
- | Various depth of fill cam tracks 6/8/10/12/14/16mm
- | Gravity feeding system
- | Main, Pre-Compression & Ejection force measuring system
- | Main Compression force measuring system
- | Printing facility
- | Compaction force control system (CFC System)
- | Turret with lower punch keyway
- | Contact part SS316L
- | Powder level sensing device
- | Recommended spares
- | Isolator for tablet press

TECHNICAL SPECIFICATIONS

Model	KX 100/8	KX 100/10	KX 100/12
No. of Station	8	10	12
Type of Tooling-EU\TSM	D	B	BB
Turret Speed - RPM	20-60	20-120	20-120
Rated Max Output-Tablets/hour*	28800	72000	86400
Max Depth of Fill-mm	18		
Max Main Compression Force-kN	60		
Max Precompression Force-kN	10		
Max Tablet Dia-mm	25	16	13
Max Tablet Thickness-mm	8		
Upper Punch Penetration-mm	2-6		
Electric motor	Main motor	3 hp	
	Force feeder motor	0.3 hp	
Utility	Electric	3 Phase, 415V, 50 Hz OR 3 Phase, 220V, 60 Hz OR 3 Phase, 480V, 60 Hz	
	Compressed air	Pressure : 6 kg/cm ² , Consumption : 0.5 CFM (Only for CFC System)	
Overall Dimensions-mm	780W x 840D x 1950H		
Net Weight - kg	550		

* Depending upon tooling size & shape and also material characteristics and required compression force

EXPERT-2 BI-LAYER TABLET COMPRESSION PRESS



STANDARD FEATURES

- | cGMP Model with Contact parts SS 316
- | Central pillar drive system through an oil-immersed reduction gearbox
- | Gravity Feeding System & Pre Compression System for Mono Layer Tablet
- | 3 Piece Turret With SS 316 Die table (Upper & Lower Piece ELNP)
- | PLC With HMI Controls
- | First Layer sampling device
- | Easy and Quick assembly & dismantling of hoppers, feeders and dies for cleaning and product replacement purposes.

OPTIONAL FEATURES

- | Dial less Model
- | Main, Pre compression & Ejection Force Monitoring System
- | Compaction Force Control system (CFC System)
- | Force feeding system with ACVFD
- | Turret with HCP Die table
- | Mono Layer Tablet Attachment
- | Various depth of fill lower cam tracks
- | Feeding System for MUPS
- | Hopper with Agitator Assembly
- | Containment Isolator Model for Oncology & Hormonal Tablets production

TECHNICAL SPECIFICATIONS

Model	Expert-2		
No. of Station	17	21	18MT
Type of Tooling - TSM or EU	D	B	D-9 & B-9
Turrent Speed - RPM	5 to 35		
Feeder Speed - RPM	5 to 60		
Rated Output - Tablets/hour*	5100 - 35700	6300 to 44100	2700 to 18900
Depth of Fill 1st Layer - mm	2 to 20	2 to 17	D-20 & B-17
Depth of Fill 2nd Layer - mm	2 to 8	2 to 8	2 to 8
Max Compression Force 1st Layer - kN	10		
Max Compression Force Main - kN	100		
Max Tablet Dia - mm	24	16	D-24 & B-16
Tablet Thickness 1st Layer - mm	1 to 8		
Tablet Thickness Main - mm	1 to 8		
Upper Penetration 1st Layer - mm	4 to 8		
Upper Penetration Main - mm	4		
Main Electric Motor - kW/hp	3.7/5		
Force Feeder Electric Motor - 2 Nos. kW/hp	0.12/0.16		
Power Consumption - kW/hp	3.9/5.25		
Power Supply	220V / 380V / 415V / 480 V, 3 Ph, 50/60 Hz		
Overall Dimensions - cm	72W x 84D x 168H		
Net Weight - kg	850		

Beacuse of Technical Progress, we reserve rights of alteration.

EXPERT-1 BI-LAYER TABLET COMPRESSION PRESS



STANDARD FEATURES

- | cGMP Model with Contact parts SS 316
- | Central pillar drive system through an oil-immersed reduction gearbox
- | Gravity Feeding System & Pre Compression System for Mono Layer Tablet
- | 3 Piece Turret With SS 316 Die table (Upper & Lower Piece ELNP)
- | PLC With HMI Controls
- | First Layer sampling device
- | Easy and Quick assembly & dismantling of hoppers, feeders and dies for cleaning and product replacement purposes.

OPTIONAL FEATURES

- | Dial less Model
- | Main, Pre compression & Ejection Force Monitoring System
- | Compaction Force Control system (CFC System)
- | Force feeding system with ACVFD
- | Turret with HCP Die table
- | Mono Layer Tablet Attachment
- | Various depth of fill lower cam tracks
- | Feeding System for MUPS
- | Hopper with Agitator Assembly
- | Containment Isolator Model for Oncology & Hormonal Tablets production

TECHNICAL SPECIFICATIONS

Model	Expert-1		
No. of Station	9	11	10MT
Type of Tooling - TSM or EU	D	B	D-5 & B-5
Turret Speed - RPM	5 to 35		
Feeder Speed - RPM	5 to 60		
Output Tablets/hour*	2700 to 18900	3300 to 23100	1500 to 10500
Depth of Fill-1st Layer - mm	2 to 16		
Depth of Fill-2nd Layer - mm	2 to 8		
Max. Compression Force-1st Layer - kN	10		
Max. Compression Force-Main - kN	70		
Max. Tablet Dia. - mm	19	16	D-19 & B-16
Tablet Thickness-1st Layer - mm	1 to 8		
Tablet Thickness-Main - mm	1 to 8		
U. P. Penetration-1st Layer - mm	4 to 8		
U. P. Penetration-Main - mm	4		
Main Electric Motor - kW / hp	3.7 / 5		
Force Feeder Electric Motor-2 Nos. - kW/hp	0.12 / 0.16		
Power Consumption - kW / hp	3.9 / 5.25		
Power Supply	220V / 380V / 415V / 480 V, 3 Ph, 50/60 Hz		
Overall Dimensions - cm	72W x 84D x 168H		
Net Weight - kg	850		

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KMP MINI ROTARY TABLET PRESS



STANDARD FEATURES

- | cGMP Model with Contact parts SS 316
- | Central pillar drive system through an oil-immersed reductin gearbox
- | Gravity Feeding System
- | Pre-compression System
- | 3 Piece Turret With SS 316 Die table (Upper & Lower Piece ELNP)
- | Standard tooling (No Special Tooling use in this machine)
- | Compaction force through a series of a mechanical levers
- | Easy accessibility for setting maintenance and cleaning
- | Though small, almost all features of a standard medium batch machines incorporated
- | Seals on lower punches

OPTIONAL FEATURES

- | PLC with HMI controls
- | Main, Pre compression & Ejection force monitoring system
- | Compaction force control system (CFC System)
- | Force feeding system with ACVFD
- | Turret With HCP Die table
- | Force Feeding System for MUPS
- | Turret with lower punch keyway
- | Various depth of fill lower cam tracks
- | Powder level sensing device at hopper
- | Lower punch spray lubrication system for effervescent tablet
- | Contact parts SS 316L
- | SS Table with PU castor wheel & leveling pad
- | Hopper with Agitator

TECHNICAL SPECIFICATIONS

Model	KMP-8	KMP-10	KMP-8MT
Number of Station	8	10	8
Type of Tooling - TSM or EU	D	B	D-4 & B-4
Output-Tablets/ Hr*			
Maximum	14400	18000	7200
Minimum	4800	6000	2400
Max. Main Compression Force-kN	60		
Max. Pre Compression Force-kN	10		
Max. Tablet Diameter-mm	19	16	D-19 & B-16
Max. Depth of Fill-mm	20	17	D-20 & B-17
Upper Punch Penetration-Main-mm	2 to 6		
Power Consumption - kW / hp	2.0 / 2.7		
Main Electric Motor - kW / hp	1.5 / 2.0		
Electrics	220V / 380V / 415V / 480V, 3Ph, 50/60Hz		
Overall Dimensions - W x D x H - cm	58W x 78D x 105H		
Case Dimensions - W x D x H - cm	79W x 107D x 105H		
Net Weight-kg	300		
Gross Weight-kg	400		

Because of Technical Progress, we reserve rights of alteration.

KDE-180/D DUST EXTRACTOR



SALIENT FEATURES

- | cGMP Compliance
- | Hepa Filter H14
- | Contact Parts SS 316L
- | Low Noise Operation
- | Low Maintenance Design
- | Lever Operated Filter Shaking Mechanism
- | Tool less & easy Filter replacement & cleaning
- | Castor Wheel for easy handling
- | Suitable for easy connection with Tablet Compression Press
- | Different Type & Size of Suction Nozzles are available as per requirement

Kambert Dust Collector is comprised with 3 Major Zones which are Suction Zone, Filter Zone and Collection Zone.

SUCTION ZONE

It consists of Side Channel Blower having directly coupled with motor and impeller fan. It is efficiently designed without any other transmission system to have noiseless & maintenance free continuous in process operations. Pressure Relief Valve is provided in Machine for protection of motor and additional air for cooling.

FILTER ZONE

There is filter chamber inside Filter Zone in which large surface anti-static filter made of polyester shall be provided. It ensures higher resistance against clogging and passage of fine dust. On Top of Dust Extractor, Lever based Filter Shaking System is provided for efficient filter cleaning to ensure constant suction performance during operations.

COLLECTION ZONE

It is one of the sturdiest unit manufactured with SS 316 Steel material for longer life of operation of machine.

TECHNICAL SPECIFICATIONS

Model	KDE-180/D
Dust Storage Capacity	40 Litre
Maximum Vacuum Rate	3000 mm H ₂ O
Maximum Air Flow Rate	300 m ³ /h
Filter Bag	Surface Area 12000 cm ² , 3 Micron
Hepa Filter	Class H14, Surface Area 10350 cm ² Efficiency 99.999% @ 0.3 Micron
Electricals [Power, Supply Voltage, Phase, Frequency]	2.2 kW, 200 – 240 V / 345 – 415 V, 3Ph, 50 Hz 2.55 kW, 220 – 275 V/ 380 – 480 V, 3 Ph, 60 Hz
Vacuum Blower	2855 RPM, 50 Hz 3445 RPM, 60 Hz
Protection	IP 55
Noise Level (*)	70 db (A)
Suction Adaptor Size & Type	As per client's requirement
Overall Dimension	42 W X 61 D X 103 H cm
Net Weight	40 Kg

Sound Test performed on this specific Dust Extractor Model have been taken from a distance of 1 Meter and from Height of 1.60 Meters, showing an acoustic pressure no higher than the one indicates in the table. The vibrations transmitted by the machine are lower than 2.5 m/s.

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COMBO UNIT SS30 + DD10/24 METAL DETECTOR WITH ELEVATING TYPE DEDUSTER



SALIENT FEATURES - METAL DETECTOR

- | Sample E - signature
- | Product auto-tracking
- | Validation using prompt
- | Reject confirmation option
- | Three level passwords
- | Continuous online self check monitoring system
- | Reject time stamping
- | Fail safe mechanism
- | Digital control and signal processing
- | Set parameter data retention on loss of power
- | Buzzer on detection of metal contamination
- | Bargraph and Numeric Display

SALIENT FEATURES - ELEVATING TYPE DEDUSTER

- | Upward Conveying
- | Unique Design, even single tablet travels from bottom to top
- | Independent power and frequency adjustment
- | High quality Dedusting with Metal Detection
- | Effect of Vibration on Metal Detector isnullified to get an optimum sensitivity
- | Metal Detector can be combined with various models of our deduster - 10/18/24 etc layers
- | Controls of Deduster will be operated through Metal Detector HMI
- | Dual frequency version for iron tablets / capsules

TECHNICAL SPECIFICATIONS

Model	Kambert Metal Detector SS30
Aperture size	95mm X 22mm (can be customized)
Sensitivity	0.3mm Ferrous, 0.3mm Non-Ferrous and 0.5mm Stainless steel (with spherical ball) (Test sample with certification will be provided for the validation purpose)
Construction	All Stainless steel contact parts are in SS 316L, mirror finished optional,
Throughput	up to 10.000 tablets/capsules per minute (depending upon size and shape of tablet/capsule)
Deduster	10/24 layer
Contacts for Interlock	Floating relay
Operating temperature	0° To 45° Ambient
Humidity	Up to 95% relative humidity

Beacuse of Technical Progress, we reserve rights of alteration.

Inlet & Outlet Range of Elevating Type Deduster			Inlet and Outlet Range of Metal Detector		
	Inlet Height A	Outlet Height B		Inlet Height A	Outlet Height B
Minimum	505 mm	180 mm	Minimum	900 mm	575 mm
Maximum	885 mm	560 mm	Maximum	1280 mm	955 mm

KOG OSCILLATING GRANULATOR



STANDARD FEATURES

- | cGMP Model
- | Contact parts SS 316
- | PU Castor for free mobility
- | Maximum efficiency and compact design
- | Suitable for online operations
- | High output with uniform granular size
- | Easy maintenance and high clean ability
- | Easy screen replacement
- | Driving mechanism is entirely enclosed

OPTIONAL FEATURES

- | Flame Proof Model With FLP DOL Starter
- | AC Variable Frequency Drive
- | Hopper interlocking
- | Discharging height as per demand

TECHNICAL SPECIFICATIONS

Model	KOG - 250	KOG - 500	KOG - 1000
Rotor Motion	Oscillating		
Rotor Size - mm	120 x 460 L		
Output - kg/hr**	100 to 200	200 to 500	800 to 1000
Power Consumption-kw	1.5	3	7.5
Rotor Speed - Oscill/Min	180		
No of Rotor	1	2	4
Screen Area - mm	490 x 470 (1 no.)	490 x 470 (2 no.)	490 x 470 (4 no.)
Surface Finish - Grit (Internal & External)	180		
Power Supply	415 V/480 V/380 V/220 V, 3 Phase,50 /60 Hz		
Overall Dimensions L x W x H*** - mm	1350 x 1000 x 1450	1600 x 1000 x 1350	2280 x 1370 x 2080
Net Weight-Kg	380	480	750

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KPRS POWDER RECOVERY SYSTEM



The Tablet Compression or Encapsulation machines are always equipped with either a standalone/central Dust Extraction system for the purpose of extracting the excess powder that is spilled onto the die table during the tablets/capsules formation.

Kambert's Powder Recovery System - KPRS is placed between the Compression / Encapsulation machine and Dust Extractor / Central Dust Extraction line as an interception. KPRS works on the principle of vortex separation through cyclone concept to catch this spilled powder from die table in its collection bin, before this spilled powder is extracted by the Dust Extractor system.

KPRS is capable of recovering almost 90-95% of powder from getting extracted by the dust extractor / vacuum system. Your powder is now ready for re-use.

OPTIONAL FEATURES

- | Wall mounting
- | Mobile frame mounting
- | Powder Level Sensor in collection-bin to prevent overflow of bin
- | Butterfly Valve between KPRS outlet and collection bin for changing bin without stopping Dust Extractor
- | Contact Parts SS16L
- | 15 litres collection bin

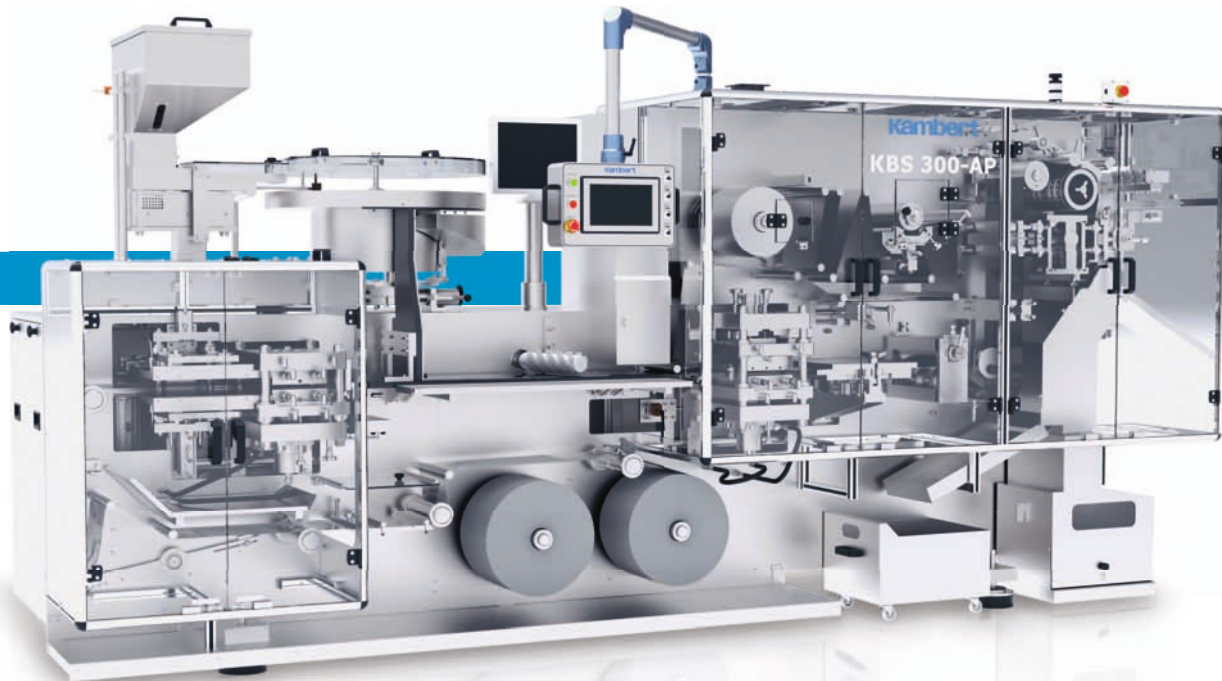
TECHNICAL SPECIFICATIONS

Model	Airflow Range (CFM)	Collection Bin Capacity (Litres)	Contact Parts	Inlet/Outlet connection side	Dimensions mm	Approx. weight (kgs)	Noise Level (dB)
KPRS - 30	180 - 230	8	SS 316	Suitable as per machine	260 W x 1270 H	30	0
KPRS - 40	230 - 300	8	SS 316	Suitable as per machine	300 W x 1490 H	35	0

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BLISTER SYSTEMS

KBS 300-AP
HIGH SPEED BLISTER PACK MACHINE



STANDARD FEATURES

- | PLC with HMI Controls
- | 2 Nos Forming Film Stations with Presence Sensor
- | Heating Station for Thermo Forming Foil
- | Servo based continuous motion Flat-forming and Flat-sealing
- | Basic Feeding System with Hopper, Linear & Rotary Vibrator
- | Pneumatic Cylinder with Valve for Cold (Aluminium) Forming
- | Acrylic Guard with Safety Interlock
- | Swipe Brush for removing Excess Tablets on Web
- | Low level Sensor in Hopper

OPTIONAL FEATURES

- | Polycarbonate Guard with Safety interlock
- | 21 CFR Part 11 Compliance
- | Servo Based Batch Code Printer
- | Print registration Control (PRC) with Eye Mark Sensor
- | Mounting Provision for Ink Jet Printing OR Online Printing
- | Camera Based Inspection System
- | Pin Hole Detector
- | Blister Reject Verification System
- | Pharma code verification along with Rejection

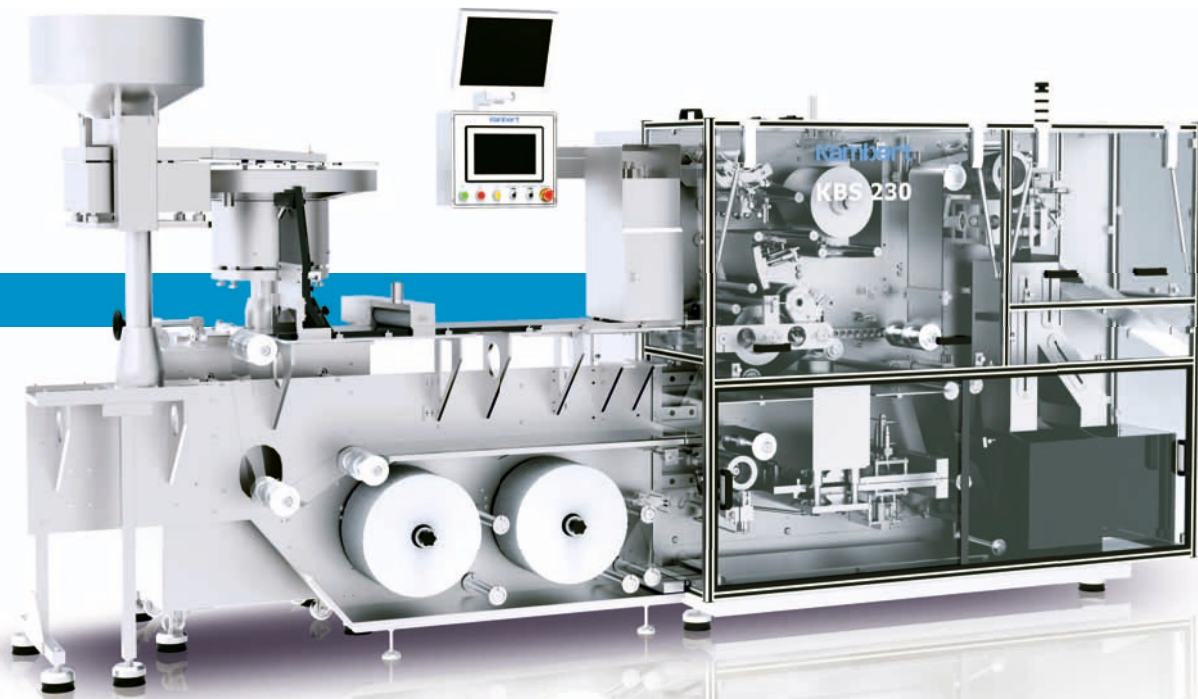
TECHNICAL SPECIFICATIONS

Model		KBS 300 - AP
Max. Forming area		240mm Width x 180mm Advance
Max. Forming depth		Max. 12mm for PVC (Thermo forming), Max. 9mm for ALU (Cold forming)
Forming cycle		Max. 45 Cycle per minute for PVC Max. 35 Cycle per minute for ALU
Forming speed		Max. 8 meters per minute
Punching cycle		Max. 180 Cycles per minute
Forming film	Material	PVC, PVC/PDVC, ACLAR
	Width	Max. 252mm
	Thickness	Max. 350 Micron, Min. 250 Micron
	Roll diameter	Max. 400mm
	Core diameter	74 to 76mm
Lidding foil	Material	ALU, Peelable (Paper), Child resistance
	Width	Max. 246mm
	Thickness	Max. 70 Micron with paper backed foil, Max. 20 to 30 Micron for ALU
	Roll diameter	Max. 250mm
	Core diameter	74 to 76mm
Power supply		415V, 3Ph, 50Hz
Utility	Power	20kW
	Compressed air	850 Liters per minute at Min. 6 bar pressure (With Air venturi)
	Cooling water	15 to 20 Liters per minute at 8 to 18 deg°C
Overall dimensions		4520 L x 2880 (Door open) W x 2160 H
Net weight		3900 Kg (approx.)
Gross weight		5200 Kg (approx.)

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* Image of the machine in the catalogue is for illustration purpose. Actual machine may differ.

KBS 230
HIGH SPEED BLISTER PACK MACHINE



STANDARD FEATURES

- | PLC with HMI Controls
- | 2 Nos Forming Film Stations with Presence Sensor
- | Thermo Forming Station (Flat Forming, Platten Type)
- | Servo Based Forming Index
- | Basic Feeding Unit
- | Acrylic Guard with Safety Interlock
- | Swipe Brush for removing Excess Tablets on Web

OPTIONAL FEATURES

- | Polycarbonate Guard with Safety interlock
- | 21 CFR Part 11 Compliance
- | Batch Code Printer
- | Print registration Control (PRC) with Eye Mark Sensor
- | Camera Based Inspection System
- | Pharma code verification along with Rejection
- | Brush Box Feeding system for Curved Coated tablets

TECHNICAL SPECIFICATIONS

Model		KBS 230
Max. Forming area		220mm Width x 200mm Advance
Max. Forming depth		Max. 12mm
Forming cycle		Max. 60 Cycle per minute
Forming speed		Max. 12 meters per minute
Punching cycle		Max. 150 Cycles per minute
Forming film	Material	PVC, PVC/PDVC, ACLAR
	Width	Max. 230mm
	Thickness	Max. 350 Micron, Min. 250 Micron
	Roll diameter	Max. 440mm
	Core diameter	74 to 76mm
Lidding foil	Material	ALU, Heat sealable lacquered coated paper Child resistance
	Width	Max. 226mm
	Thickness	20 to 25 Micron for ALU 60 to 80 Micron for PP
	Roll diameter	Max. 210mm
	Core diameter	74 to 76mm
Power supply		415V, 3Ph, 50Hz
Utility	Power	Peak 10kW - Av. 8kW
	Compressed air	600 NL per minute at 6 bar pressure
	Cooling water	120 Liters per hour at 12°C to 18°C
Overall dimensions		4605(Door open)Lx2455(Door open)Wx2100 H
Net weight		1800 Kg (approx.)

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KBS 1050
SINGLE TRACK BLISTER PACK MACHINE



KAMBERT

STANDARD FEATURES

- | PLC with HMI Controls
- | Stainless Steel Cladded body as per GMP
- | Servo based High Speed Feeding System
- | Heating Station for Thermo Forming Foil
- | Acrylic Guard
- | Batch Code Printer
- | Scrap Winder

OPTIONAL FEATURES

- | Polycarbonate Guard
- | Print Registration Control(Pack to Print)
- | Blister Inspection & Rejection System
- | Pin Hole Detector
- | Thermoforming attachment for PVC/ALU
- | Perforation Station
- | Inkjet Printer

TECHNICAL SPECIFICATIONS

Model		KBS 1050	
DESCRIPTION		THERMOFORMING PVC-PVDC/ALU	COLD FORMING ALU/ALU
Forming Foil Width		150mm	
Forming Foil Thickness		0.25mm - 0.40mm	0.13mm - 0.15mm
Forming Foil Reel Dia		440mm	
Lidding Foil Width		150mm	
Lidding Foil Thickness		0.02mm - 0.04mm	
Lidding Foil Reel Dia		250mm	
Pack Length		140mm	
Pack Width		100mm	
Forming Depth		12mm	
Cycle Speed / Output		35 Cycle / Min.	
Power supply		415V, 3Ph, 50Hz	
Utility	Power	4.5kW	
	Compressed air	25 to 30 CFM At Pressure 8 bar	
	Cooling water	120 Liters/Hr, at 15° ±2° C & Inlet Pressure 2.5 Bar (Max.)	
Overall dimensions		2970 L x 1500 (Door Open) W x 1855 H	
Net weight		1050 Kg (approx.)	
Gross weight		1300 Kg (approx.)	

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