

Deliveries and Peripheral Units

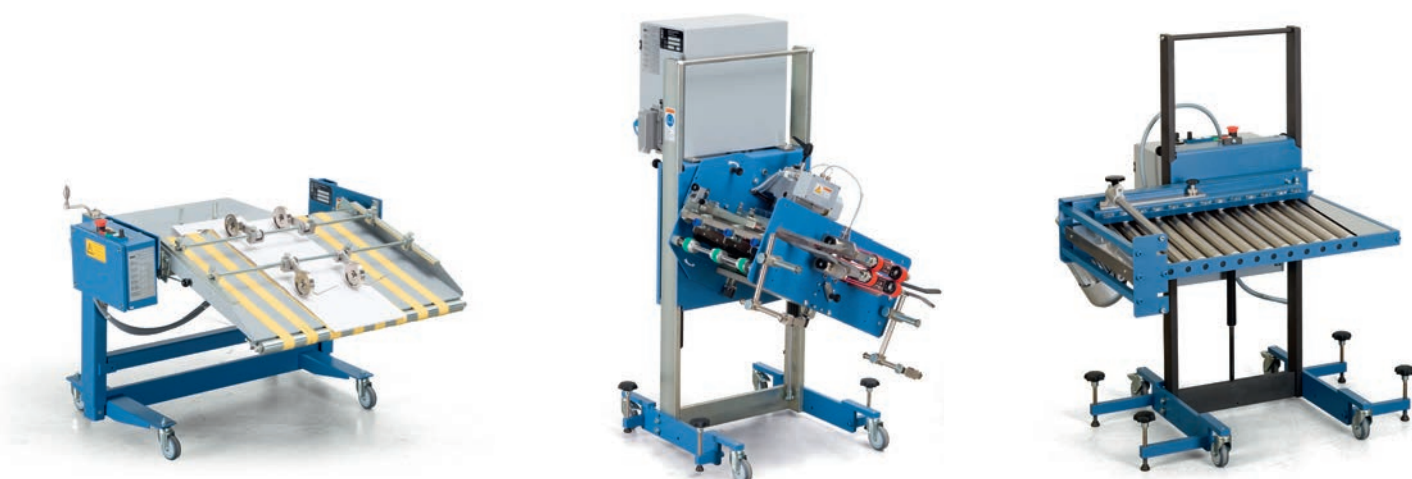


Deliveries and Peripheral Units

The totally carefree-package for your folding machine: Deliveries and peripheral units.

The machine is not the only decisive factor when it comes to efficient folding. In order to optimally design the folding process from the material infeed to the product delivery, all modules must smoothly match. Not every system fits every requirement. Therefore, MBO provides you with a broad range of different deliveries and peripheral units. But there is one thing our

accessory program has in common: the consequent orientation towards easy operation, short changeover times, smooth production, flexible application and high performance.



Actually even smaller than the space it needs: the price it costs. The stream delivery SE 460.

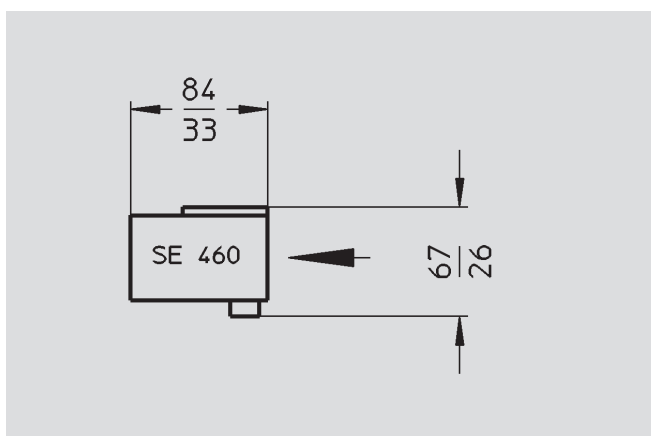
The stream delivery SE 460 for T 460 is reduced to some essential features, therefore it is very functional and its purchase is cost-effective. It is suitable for simple folding types and small print runs as well as the folding of end sheets. Thanks to the low marking risk, sensitive and freshly printed products can also be processed without any problems.

What is special about SE 460: the delivery is hinged into the folding machine after folding unit I or II. In this way, not much space is required and the stream delivery can also be used if only little room for installation is available. Due to its very compact format the holding capacity is generally limited, which is however compensated by the shaping of piles after the shingle.



Your benefits at a glance:

- **Low investment cost** by reduction to the essentials
- **Minimum space requirement** thanks to compact dimensions and hingeability
- **Low risk of marks** on sensitive and freshly printed sheets



Delivery		SE 460	
		cm	inch
Working width	max.	46,00	18 1/8
Infeed height		depending on the outfeed of the last folding unit	
Loading height		depending on infeed height	
Speed		m/min.	inch/min.
	min.	1	39
	max.	7,50	295

Flexibility, compactness and functionality as a standard. Stream delivery A 56/76.



Your benefits at a glance:

- **Compact construction** for optimal use of space
- **Low marking risk** for sensitive, freshly printed sheets
- **Flexible application** thanks to the adaptability of infeed and loading table
- **Formation of piles after the shingle** facilitates loading/removal
- **Equipment for two-up production** may be extended to three-up or even four-up production

Functional, mobile stream delivery with two working widths – thanks to the low marking risk ideal for sensitive and freshly printed products. Especially suited for small print runs because of the relatively short delivery. Due to their compact construction, the deliveries A 56 and 76 are extremely space-saving and may be very flexibly applied after each folding unit.

The flexibility in the application of the A 56/76, however, not only shows in its compact construction, but also in the adaptability of the deliveries to the operator and the production line: the loading table is height-adjustable, the infeed table may be adjusted to both

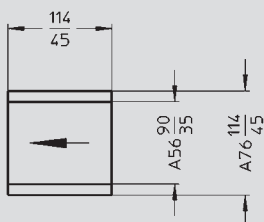
height and inclination. This delivery type forms a pile after the shingle and the batches for the formation of pre-counted packages are marked by either interrupting the sheet infeed or by accelerating the delivery. In general, both models are equipped for two-up production and may be extended optionally to running three or, in the case of A 76, four-ups. The „NAVIGATOR Control“ extension guarantees a continuous stream of shingles which ensures that the shingle is not interrupted in case of a stop of the folding machine.

Equipment:

- **Mobile**
- **Equipment for two-up production***

Alternative/additional equipment:

- **Extension to three-up production***
- **Extension to four-up production (only for A 76)***
- **NAVIGATOR Control machine controller***



Delivery		A 56		A 76	
		cm	inch	cm	inch
Working width	max.	56,00	22	76,00	29 7/8
	min.	40,00	15 6/8	40,00	15 6/8
Infeed height	max.	95,00	37 3/8	95,00	37 3/8
	min.	50,00	19 5/8	50,00	19 5/8
Loading height*	max.	90,00	35 3/8	90,00	35 3/8
	min.	50,00	19 5/8	50,00	19 5/8
		m/min.	inch/min.	m/min.	inch/min.
Speed	min.	1	39	1	39
	max.	10	394	10	394

* Strip cutting is recommended since spreading is not possible.

* depending on infeed height.

Capacity despite compactness: Stream delivery AS 540/640.



Your benefits at a glance:

- **2 belt tracks** for the compression of the stream delivery
- **Compact construction** for optimal use of space
- **Low marking risk** for sensitive, freshly printed sheets
- **Equipment for two-up production** may be extended to three-up production

Mobile and height-adjustable stream delivery with two working widths – thanks to the low marking risk ideally suited for sensitive and freshly printed products of medium or high circulations. Its design includes two belt tracks at the infeed and at the collector table, thus providing a relatively large holding capacity despite its compact construction.

AS 540/640 devices are reduced, functional stream deliveries which may be used after each folding unit. Two belt tracks are integrated at the infeed and at the collector table. From the folding machine, the products run onto a belt where they are transported shingled.

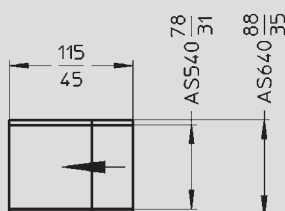
Then they are transmitted to the second, slower running transportation belt. The shingle is thus shortened and more products may be picked up. Batches of counted packages are either formed by interrupting the sheet infeed or by accelerating the delivery. By default, type AS 540/640 deliveries are equipped for two-up production, both models may however also be extended to run three-up productions. For an even more comfortable and more efficient operation, we recommend to add a NAVIGATOR Control unit.

Equipment:

- **Mobile**
- **Equipment for two-up production***

Alternative/additional equipment:

- **Extension to three-up production***
- **NAVIGATOR Control machine controller**

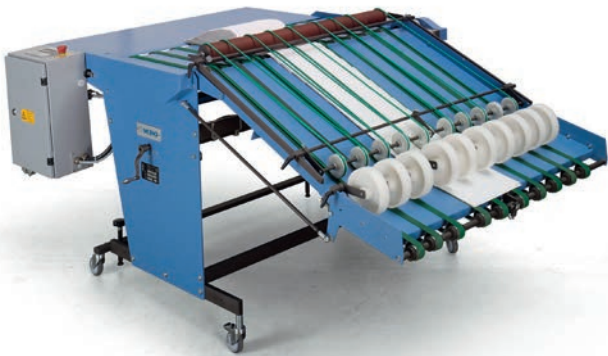


Delivery		AS 540		AS 640	
		cm	inch	cm	inch
Working width	max.	54,00	21 2/8	64,00	25 2/8
	min.	40,00	15 6/8	40,00	15 6/8
Infeed height	max.	95,00	37 3/8	95,00	37 3/8
	min.	50,00	19 5/8	50,00	19 5/8
Loading height*	max.	90,00	35 3/8	90,00	35 3/8
	min.	50,00	19 5/8	50,00	19 5/8
		m/min.	inch/min.	m/min.	inch/min.
Speed	min.	1	39	1	39
	max.	10	394	10	394

* Strip trimming is recommended since spreading is not possible. NAVIGATOR Control machine controller.

* depending on infeed height.

Simple, compact, budget-priced: Table Delivery TA 112.



Your benefits at a glance:

- **High holding capacity** due to almost vertical sheet arrangement
- **Low marking risk** ideal for sensitive, freshly printed sheets
- **Printing marks visible for the operator** since the back of the printing sheets is facing upwards
- **Compact construction** for optimal use of space

The mobile table delivery TA 112 is a simple stream delivery with a collating device and is equipped by default for two-up production. Due to the low marking risk it is especially suitable for sensitive products and freshly printed sheets. Since the sheets in the delivery are in an almost upright position, the collating marks are within the operator's view and may be easily observed during production. Moreover, the almost vertical sheet arrangement allows to hold high capacities. Despite its high holding capacity, the construction of the TA 112 is very compact and space-saving. Its equip-

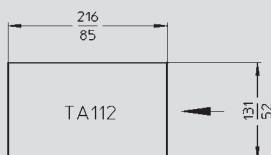
ment makes it a very practical and low-cost delivery solution which, depending on your requirements, can be extended to run three or four-up productions. To realise the shingle movement, the TA 112 is designed to either interrupt the sheet infeed or to accelerate the delivery.

Equipment:

- **Mobile**
- **Equipment for two-up production**
- **Marking possible by detachable roller**

Alternative/additional equipment:

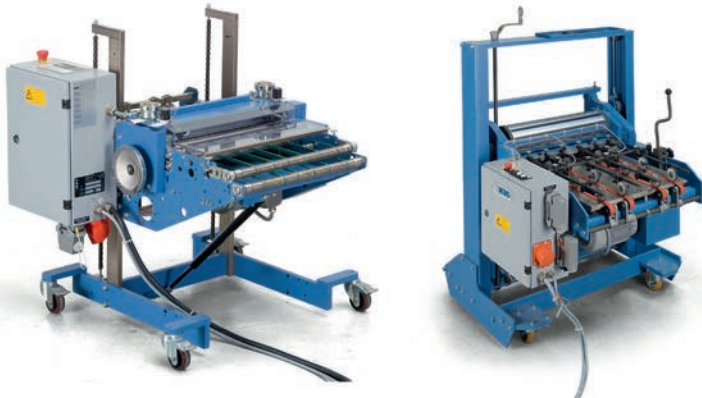
- **Extension to three or four-up production***



Delivery		TA 112	
		cm	inch
Working width	min.	112,00	44 1/8
	max.	95,00	37 3/8
Infeed height	min.	40,00	15 6/8
	max.	95,00	37 3/8
Loading height		90,00	35 3/8
		m/min.	inch/min.
Speed	min.	1	39
	max.	10	394

* Strip trimming recommended since spreading is not possible.

Your upgrade to more productivity: Pressing stations P 46/66/76/112.



Your benefits at a glance:

- **Higher holding capacity** thanks to flat products which can easily be piled up
- **Improved further processing** on downstream machines
- **Extremely high pressure** with press P 76 and P 112
- **Optimal for multiple-up production** by high pressure and spreading of multiple-up streams

The mobile pressing stations P 46 / 66 / 76 / 112 are basically designed as a supplement to deliveries without an integrated press. Additionally, they are used for special applications in complex production lines where the sheets have to be pressed „intermediately“. Due to the built-in controller, MBO pressing stations may also be used with older machines or machines from external suppliers.

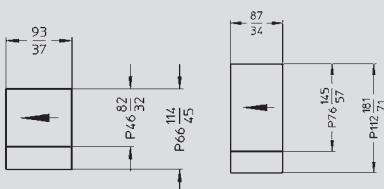
MBO pressing stations deliver flat products which can be easily piled up and further processed. Due to the smaller volume of the sheets, the holding capacity of the downstream delivery is also increased. By default, the MBO pressing stations are equipped for two-up production, however, may be extended, depending on the type. With a maximum of 60,000 N, the types P 76/112 provide an extremely high pressure for multiple-up production.

Equipment:

- **Mobile**
- **Built-in controller**
- **P 46/66: spreading of multiple-up streams**
- **Equipment for two-up production**

Alternative/additional equipment:

- **P 66/76/112: extension to three-up production**
- **P 66/112: extension to four-up production**



Delivery		P 46		P 66		P 76		P 112	
		cm	inch	cm	inch	cm	inch	cm	inch
Working width	max.	46,00	18 1/8	66,00	26	76,00	29 7/8	112,00	44 1/8
Infeed height	min.	40,00	15 6/8	40,00	15 6/8	48,00	18 7/8	48,00	18 7/8
	max.	90,00	35 3/8	90,00	35 3/8	100,00	39 3/8	100,00	39 3/8
Pressure		20.000 N		20.000 N		60.000 N		60.000 N	
		m/min.	inch/min.	m/min.	inch/min.	m/min.	inch/min.	m/min.	inch/min.
Speed	min.	15	591	15	591	50	1969	50	1969
	max.	180	7087	180	7087	100	3937	100	3937

Large capacity on a small surface: Vertical stacker delivery SAP 46 L.



Your benefits at a glance:

- **High holding capacity** by vertical sheet alignment
- **Collating marks visible for the operator** since the sheets are positioned in a standing position on the open side
- **Compact design** for full use of space
- **Integrated press** for better quality results
- **Automatic feeder stop return** for more comfortable sheet removal

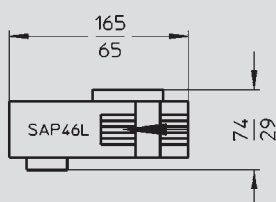
The mobile SAP 46 L is a vertical stacker delivery with press for single-up production. The unit is especially suitable for high circulations and robust print products, e.g. bookprint. The sheets are delivered in a standing position with their back facing upwards – thus using the full holding capacity despite the compact and space-saving design, with the collating marks remaining within the operator's view.

SAP 46 L is equipped with an integrated press with pre and main pressing rollers which facilitate the delivery and further processing. The automatic feeder stop return allows the comfortable removal of sheets – the stack is held by a spring

and immediately pushed back after the products have been taken out. The counting and marking of the product packages is regulated by a system consisting of a light barrier, preselection counter and kicker. Thanks to the built-in controller, the SAP 46 L may also be used with older machines or machines from an external supplier.

Equipment:

- **Mobile**
- **Built-in controller**
- **Light barrier and counter**
- **Kicker marking**
- **Automatic sheet stop return**
- **Integrated pressing station**
- **Continuous delivery stream**



Delivery		SAP 46 L	
		cm	inch
Working width	min.	15,00	5 7/8
Working width without marking	max.	46,00	25 2/8
Working width with marking	max.	43,00	24
Pile length/height	max.	restricted by table length	
Infeed height	min.	39,00	15 3/8
	max.	93,00	36 5/8
Loading height*	min.	59,00	23 2/8
	max.	113,00	44 4/8
Pressure		20.000 N	
Speed		m/min.	inch/min.
	min.	40	1575
	max.	125	4921

* depending on infeed height.

Big benefits for small sheets: Small sheet size delivery KAS 30 ME.



Your benefits at a glance:

- **Special delivery technique** for especially small-formatted products
- **Marking device** for shifting in package
- **Spreading of multiple-ups** by diverging round belts
- **Built-in controller** allows flexible use with older machines or machines from external suppliers.

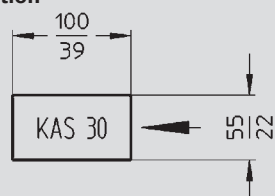
What always puts KAS 30 ME into high gear is the processing of especially small formats, like for instance package inserts for pharmaceuticals since they cannot be handled as a conventional stream delivery due to their low product height. The special delivery technique of the small sheet delivery prevents the products from colliding, thus ensuring a trouble-free production.

It's also the „little things“ that are decisive for smooth production processes. Apart from its special design to handle even smallest formats, the mobile KAS 30 ME comes

with many other benefits: for instance the spreading of multiple-ups by diverging round belts. Or the marking device which considerably facilitates discharge/loading by a preselection option for a certain number of products. The correct product run is regulated by a light barrier and a counter. A real benefit – especially for finished products which have to be exactly counted for loading or packaging. Due to its built-in controller, the KAS 30 ME may also be used together with older machines or machines from an external supplier.

Equipment:

- **Mobile**
- **Built-in controller**
- **Continuous stream delivery**
- **Spreading**
- **Marking by 2 cm shifting**
- **Light barrier and counter**
- **Equipment for two-up production**



Delivery	KAS 30 ME		
		cm	inch
Working width	min.	30,00	11 6/8
Sheet height	min.	3,00	1 1/8
	max.	12,00	4 1/8
Pile length	max.	46,00	18 1/8
	min.	59,00	23 2/8
Infeed height	min.	86,00	33 7/8
	max.	94,00	37
Loading height*	min.	67,00	26 3/8
	max.	94,00	37
Speed		m/min.	inch/min.
	min.	20	787
	max.	120	4724

* depending on infeed height.

More folding options on one hand, more gain of time on the other hand: Cross carrier.

The mobile cross carriers ET 46 and ET 52 meet various application purposes. Since ET 46 can be swivelled by 180° it is suitable for both left hand and right hand lay. The alignment ruler of ET 46 is equipped with a ball rail for standard products; for thick products conical rollers are recommended which are optionally available. In combination with a mobile knife folding unit, cross carriers are applied on combi folding machines to produce a parallel fold to the cross and three fold or a double gate fold. Following a saddle stitcher it is possible to produce a parallel fold to the back. The combination of a cross carrier, rotary feeder and mobile knife folding unit leads to a signature folding unit.



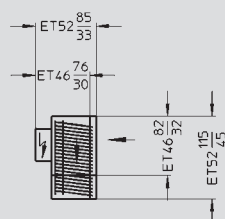
Cross carrier ET 46/52

Equipment:

- Mobile
- Ball rail
- ET 46: pivoted, thus left and right hand lay is possible
- ET 52: not pivoted; right hand lay

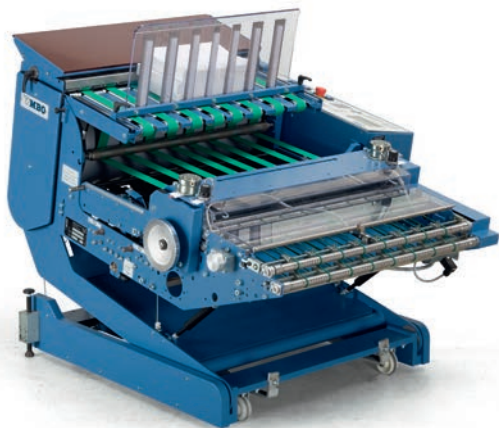
Alternative/additional equipment:

- ET 46: with conical rollers



Delivery		ET 46	
		cm	inch
Working width	max.	46,00	18 1/8
	min.	45,00	17 6/8
Infeed/outfeed height	max.	95,00	37 3/8
		m/min.	inch/min.
Speed	min.	40	1575
	max.	150	5906

Best ergonomics in three working widths: FA 46/66/82 ME.



Your benefits at a glance:

- **Integrated pressing station** for better quality results
- **Marking device** for shifting in package
- **Ergonomic, height-adjustable impact table** directly after the delivery
- **Compact construction** for optimal use of space
- **Built-in controller** for use with older machines or machines from external suppliers

The mobile and height-adjustable vertical stacker deliveries FA 46/66/82 ME with a pressing station are a good choice when it comes to processing non-sensitive and stable products in high print runs. Apart from the good quality for the further processing of the products, the most convincing argument is their operating convenience which again results in more efficient workflows.

Controlled by a light barrier and a counter, the marking device allows a preselectable number of products to be shifted in package which considerably facilitates the loading/removal of the sheets. A height-adjustable, ergonomic

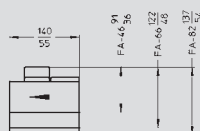
impact table is directly positioned after the delivery – since the packages are directly situated in front of the operator, they just have to be removed from the pile and carefully shifted onto the impact table. The round belts at the infeed table diverge angularly outward to spread the product streams when running multiple-up productions. The models FA 66 ME and FA 82 ME are by default equipped for three and four-up productions. Another option: the NAVIGATOR Control machine controller provides even more comfort. Due to the option to use the built-in controller, all types may also be used with older machines or machines from an external supplier.

Equipment:

- **Mobile**
- **Built-in controller**
- **Integrated pressing station**
- **Continuous stream delivery**
- **Spreading**
- **Marking by 2 cm shifting**
- **Light barrier and counter**
- **Equipment for two-up production**
- **FA 66 ME, 82 ME: three and four-up production**

Alternative/additional equipment:

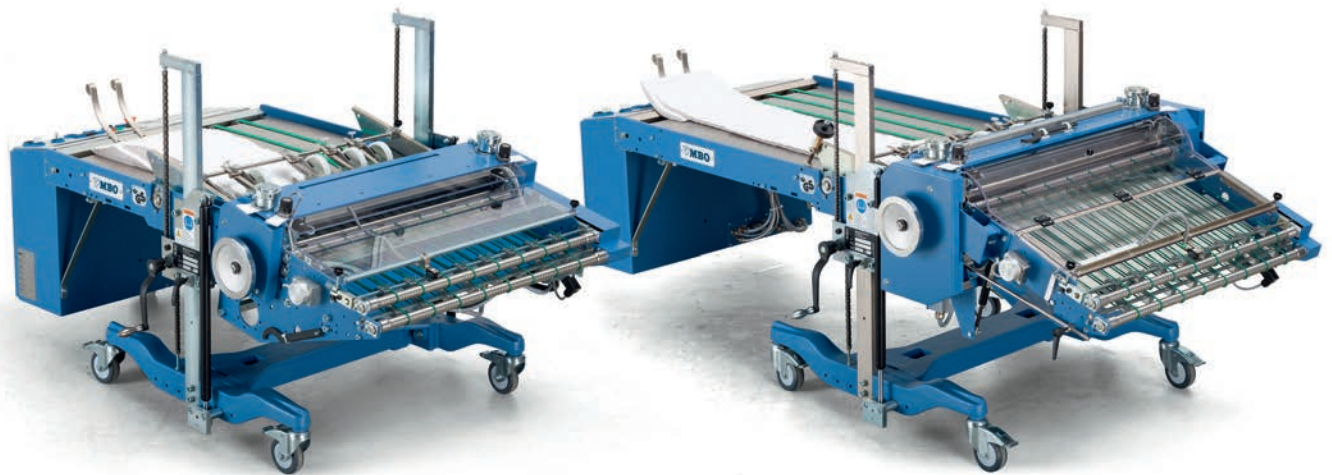
- **NAVIGATOR Control machine controller**



Delivery		FA 46 ME		FA 66 ME		FA 82 ME	
		cm	inch	cm	inch	cm	inch
Working width	max.	46,00	18 1/8	66,00	26	82,00	32 2/8
Pile length	min.	10,00	3 7/8	10,00	3 7/8	10,00	3 7/8
	max.	30,00	11 6/8	30,00	11 6/8	30,00	11 6/8
Pile height	max.	30,00	11 6/8	30,00	11 6/8	30,00	11 6/8
Infeed height	min.	40,00	15 6/8	40,00	15 6/8	40,00	15 6/8
	max.	95,00	37 3/8	95,00	37 3/8	95,00	37 3/8
Loading height*	min.	81,00	31 7/8	81,00	31 7/8	81,00	31 7/8
	max.	103,00	40 4/8	103,00	40 4/8	103,00	40 4/8
Pressure		20.000 N		20.000 N		20.000 N	
		m/min.	inch/min.	m/min.	inch/min.	m/min.	inch/min.
Speed	min.	30	1181	30	1181	30	1181
	max.	160	6299	160	6299	160	6299

* depending on infeed height.
ME= marking equipment (marking device)

The convenience of a vertical stacker delivery in the form of a stream delivery: ASP 66-2 ME/82-2 ME/66 L-2 ME.



Mobile and height-adjustable stream delivery with integrated pressing station, ideal for small to medium circulations. Due to the low marking risk well suited for sensitive and freshly printed products. MBO ASP deliveries are easy to handle, clearly arranged and may be readjusted quickly and comfortably. These features make them predestined for frequent changeovers of production lines or for the application with fully automatic folding machines where the position of the delivery is often changed.

The integrated pressing unit with its pre and main pressing rollers renders a good delivery quality for the destacking and further processing of the sheets. By means of two separate, smoothly adjustable drives for the infeed table/pressing unit and the collating/collecting belts the delivery stream is compacted, thus ensuring a large holding capacity. Equipped with a collector table extended by 50 cm, ASP 66 L-2 ME provides an even larger holding capacity.

To facilitate loading, the marking device allows the shifting in package of a preselectable number of products by 2 cm – with the shifting regulated via a light barrier and counter, which allows the products to

Your benefits at a glance:

- **Integrated pressing station** for better quality result
- **Marking device** for shifting in package
- **Continuous stream delivery** for trouble-free production
- **Large holding capacity** by separate drives
- **Spreading of multiple-upstreams** facilitates removal/loading
- **Adjustable falling height** between pressing unit and shingle belts

be exactly counted and packed when running productions for finished products. Loading is further facilitated by the spreading of multiple-up streams by round belts diverging angularly outward. Thanks to the option to use the built-in controller, application is also possible with older machines or machines from external suppliers.

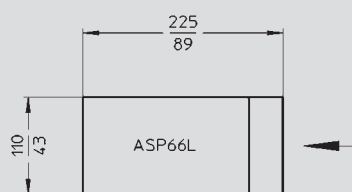
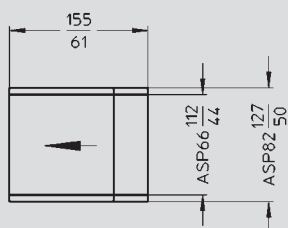
By default, ASP deliveries are equipped for two-ups, however, may be extended to three-ups. ASP 82-2 ME may even be extended to four-up production. Further options ensure even more efficiency and convenience: control via NAVIGATOR Control and the integration of automatic retaining rolls.

Equipment:

- Mobile
- Built-in controller
- Spreading
- Marking by 2 cm shifting
- Light barrier and counter
- Equipment for two-up production
- Integrated pressing station
- Continuous stream delivery

Alternative/additional equipment:

- Extension to three-up production
- ASP 82-2 ME: extension to four-up production
- NAVIGATOR Control machine controller
- Automatic retaining rolls



Delivery		ASP 66-2 ME		ASP 66 L-2 ME		ASP 82-2 ME	
		cm	inch	cm	inch	cm	inch
Working width without ME	max.	66,00	26	66,00	26	88,00	34 5/8
	min.						
Working width with ME	max.	63,00	24 6/8	63,00	24 6/8	85,00	33 4/8
	min.						
Infeed height	min.	40,00	15 6/8	40,00	15 6/8	40,00	15 6/8
	max.	95,00	37 3/8	95,00	37 3/8	95,00	37 3/8
Loading height*	min.	50,00	19 5/8	50,00	19 5/8	50,00	19 5/8
	max.	90,00	35 3/8	90,00	35 3/8	90,00	35 3/8
Pressure		20.000 N		20.000 N		20.000 N	
Speed	min.	30	1181	30	1181	30	1181
	max.	160	6299	160	6299	160	6299

* depending on infeed height.
ME= marking equipment (marking device)

The flagship of the MBO deliveries: Vertical stacker delivery SBAP 46/72/82 ME.



The mobile SBAP vertical stack deliveries are a high-performance supplement to MBO folding machines. Depending on the working width, they are either designed for one-up or multiple-up production. They are excellently suited for large print runs. The space-saving arrangement where the sheets are standing on their back allows a considerably larger holding capacity as compared to stream deliveries, thus ensuring that even unstable products may be easily processed on SBAP deliveries.

All three versions of the SBAP delivery are equipped with a press and an integrated marking device. The pressing unit with its pre and main pressing rollers facilitates the depositing and further processing of the sheets, the marking device allows shifting in package, thus facilitating the removal/loading of the products. Similarly convenient: the pile table is smoothly height-adjustable, thus always providing the operator an ergonomic loading height, independent of the height of the outfeed of the folding machine. For multiple-up productions, the in-feed table with round belts allows the spreading of the products before running into the pressing station. Due to the option to use the built-in controller, all SBAP deliveries may also be used with older machines or machines from external suppliers.

Your benefits at a glance:

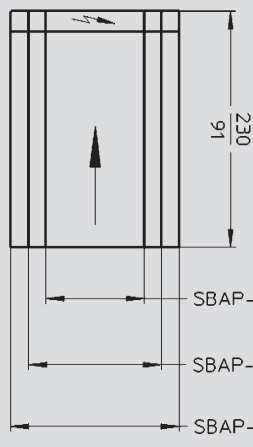
- **Large holding capacity** due to vertical bottom arrangement
- **Printing sheets standing on their back** to handle even unstable products
- **Smoothly height-adjustable pile table** for working ergonomically independent of the outfeed of the folding machine
- **Integrated pressing unit** for better quality results
- **Marking device** for shifting in package

Equipment:

- Mobile
- Built-in controller
- Continuous stream delivery
- Integrated pressing station
- Spreading of multiple-up streams
- Light barrier and counter
- Marking and package shifting
- SBAP 72 ME and 82 ME: equipment for two-up movement production

Alternative/additional equipment:

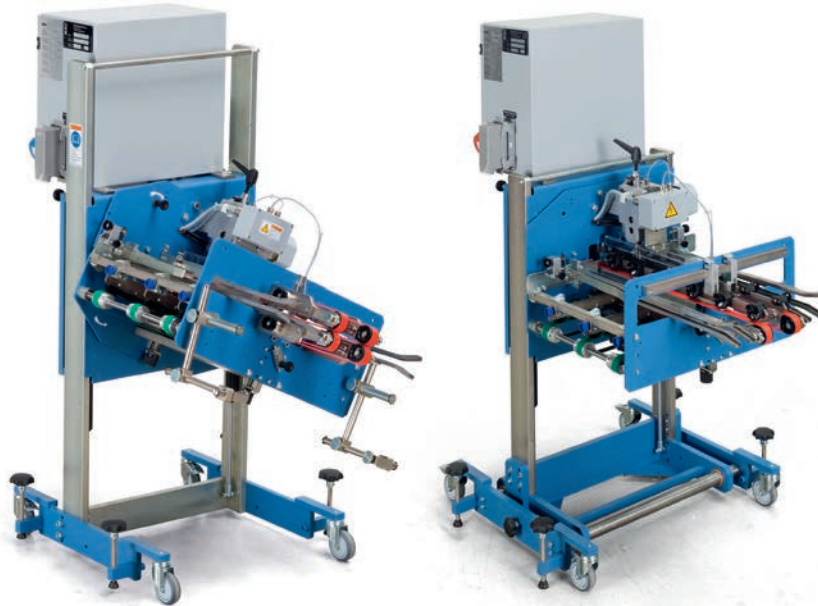
- SBAP 46 ME: equipment for two-up production
- SBAP 72 ME/82 ME: extension to three or four-up production
- NAVIGATOR Control machine controller
- Automatic retaining rolls
- SBAP 46 ME: automatic feeder stop return with sheet infeed stop for one-up production
- SBAP 72 ME/82 ME: automatic feeder stop for two or three-up production



Delivery		SBAP 46 ME		SBAP 72 ME		SBAP 82 ME	
		cm	inch	cm	inch	cm	inch
Working width without ME	max.	46,00	18 1/8	73,00	28 6/8	88,00	34 5/8
Working width with ME	max.	43,00	16 1/8	70,00	27 4/8	85,00	33 4/8
Sheet width	min.	8,00	3 1/8	8,00	3 1/8	8,00	3 1/8
	max.	30,00	11 6/8	30,00	11 6/8	30,00	11 6/8
Pile length	max.	73,00	28 6/8	73,00	28 6/8	73,00	28 6/8
Infeed height	min.	38,00	15	38,00	15	38,00	15
	max.	95,00	37 3/8	95,00	37 3/8	95,00	37 3/8
Loading height*	min.	85,00	33 4/8	85,00	33 4/8	85,00	33 4/8
	max.	118,00	46 4/8	118,00	46 4/8	118,00	46 4/8
Pressure		20.000 N		20.000 N		20.000 N	
		m/min.	inch/min.	m/min.	inch/min.	m/min.	inch/min.
Speed	min.	30	1181	30	1181	30	1181
	max.	160	6299	160	6299	160	6299

* depending on infeed height.
ME= marking equipment (marking device)

More flexible application options and higher production output: Knife folding unit Z 2/5/6.



Knife folding unit Z 2/5

The mobile knife folding units Z 2 and Z 5 with MC Control can be pivoted by 180 °, thus allowing folding both from the top and from the bottom. They can be used for various application purposes. Z 5 has a lateral fine adjustment for the entire knife unit. The height is adjusted with a handwheel. The larger infeed width and length of the Z 5 allow to handle larger formats.

Especially when used as folding unit II on buckle folding machines or as folding unit IV on large combi folding machines, even more application options are possible.

- As folding unit IV for 32 pages on combi and buckle folding machines, for manufacturing English, German and international four folds and special folding types.
- As folding unit III on buckle folding machines – the folded material can be led back to the coated control panel.
- For folds parallel to the back fold after the first and second cross fold on combi folding machines, combined with the cross carrier.
- Following saddle stitchers for the rectangular small folding of brochures and for folds parallel to the back fold when used in combination with the cross carrier.

- As a signature folding unit for the rectangular or parallel-to-the-back small folding of products in combination with a rotary feeder, cross carrier and a delivery.
- For double gate folds on buckle folding machines after folding unit II and on combi folding machines in combination with the cross carrier.
- As version Z 2/65 with 65 cm infeed width for the production of geographical maps.

Knife folding unit Z 6

The mobile four-fold knife folding unit with MC Control and built-in drive for the application on combi or buckle folding machines is designed for the folding from the top. It is equipped with a lateral fine adjustment of the entire knife unit. The infeed height is adjusted with a handwheel. Z 6 offers the following additional benefits:

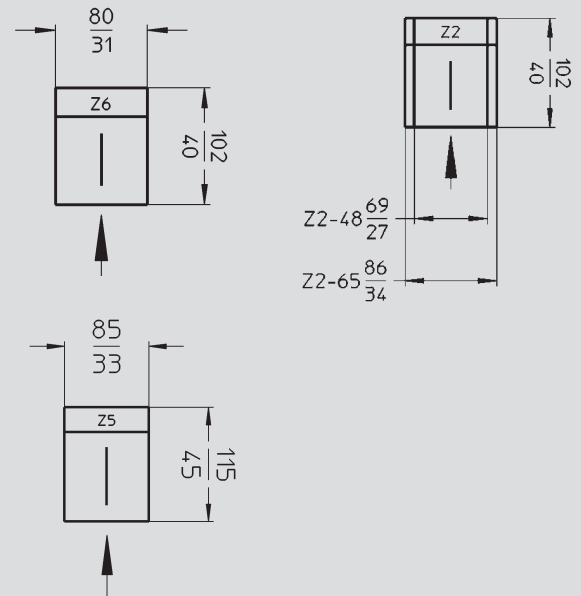
- As folding unit IV for 32 pages on combi and buckle folding machines.
- On combi folding machines with the KL and S-KTL configuration for English four-fold.
- On combi folding machines with the S-KTZ configuration for English and German four-fold.
- On buckle folding machines, e.g. with the configuration 442 for English four-fold.

Equipment:

- MC Control
- Mobile
- Built-in controller
- Built-in drive
- Z 2/5: 180 ° pivoted, i.e. working from top and from bottom
- Z 6: working from top, not pivoted
- Z 5/6: infeed height-adjustment via handwheel + lateral fine adjustment of the entire knife unit

Alternative/additional equipment:

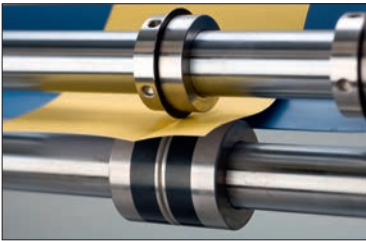
- NAVIGATOR Control
- Gate fold brushes



Folding unit		Z 2/48		Z 2/65		Z 5		Z 6	
		cm	inch	cm	inch	cm	inch	cm	inch
Infeed width	min.	15,00	5 7/8	15,00	5 7/8	21,00	8 2/8	15,00	5 7/8
	max.	48,00	18 7/8	65,00	25 5/8	65,00	25 5/8	48,00	18 7/8
Infeed length	min.	8,00	3 1/8	8,00	3 1/8	15,00	5 7/8	8,00	3 1/8
	max.	32,00	12 5/8	32,00	12 5/8	45,00	17 6/8	32,00	12 5/8
Infeed height	min.	45,00	17 6/8	45,00	17 6/8	45,00	17 6/8	45,00	17 6/8
	max.	95,00	37 3/8	95,00	37 3/8	95,00	37 3/8	65,00	25 5/8
Outfeed height	Knives from top	Infeed height -10 cm		Infeed height -10 cm		Infeed height -10 cm		Infeed height -10 cm	
	Knives from bottom*	Infeed height +10 cm		Infeed height +10 cm		Infeed height +10 cm		-	
Outfeed direction		left or right		left or right		left or right		left	
		mm	inch	mm	inch	mm	inch	mm	inch
Product strength	max.	6	2/8	6	2/8	6	2/8	6	2/8
		m/min	inch/min	m/min	inch/min	m/min	inch/min	m/min	inch/min
Speed	min.	20	787	20	787	20	787	20	787
	max.	160	6299	160	6299	160	6299	160	6299
Productivity		cycles/h		cycles/h		cycles/h		cycles/h	
		15.000		15.000		15.000		15.000	
Drive control	MC Control	with potentiometer							
	NAVIGATOR Control	electronically							
Knife control		digitally programmable in cm-increments							

* after 180 ° pivot.

The right solution for each material: Scoring, perforation and cutting devices from MBO.



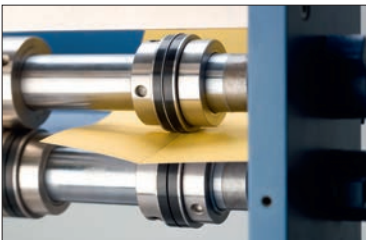
Standard score

Primarily used for scores that are later invisible, e.g. on sheets which are further processed for saddle stitching or thread sealing.



Standard perforation

For the exact definition of the subsequent fold. Air can escape through the perforation, thus avoiding the formation of creases. A variety of different perforating knives is available which can be selected to suit the type of paper and the subsequent processing type.



Superscore

For visible, high-quality scores, e.g. cardboard envelopes or folded 4-page leaflets of thicker papers.



Multiple perforation

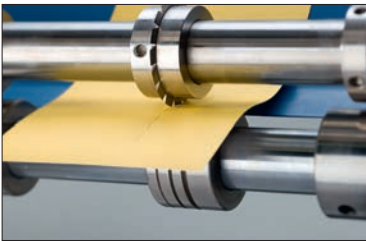
For example for perfect bound sheets that are to be separated from the fold later – like calendar sheets, fax reply sheets, etc. A middle score or middle perforation is possible by exchanging a counter tool.



Micro perforation

The tool for special jobs, like e.g. single sheet or tear-off sheets.

All MBO folding machines have slit shafts with plug bearings at the out-feed on which tools for various applications can be attached. In order to guarantee absolutely precise results with all materials, MBO offers you a number of different tools each of which can be adjusted to best suit its purpose.



V-Perforation

For safely avoiding bag formation by applying a V-shaped perforating knife.



Strip trimming

Your first choice if you need a tool for the multiple-up processing of several folding products on the folding machine and separating the products by cutting out a strip.



Punch perforation

As head perforation for very thick layers, e.g. 32-page folding sheets.



Trim cut

For multiple-up processing.



Edge trim

For cutting off e.g. head trim or foot trim. This may save additional cutting on the paper cutting.



MBO Binder GmbH & Co. KG
Grabenstr. 4-6 ■ 71570 Oppenweiler ■ Deutschland
Tel. +49 (0) 7191/46-0 ■ Fax +49 (0) 7191/46-34
info@mbo-folder.com
www.mbo-folder.com



MBO Binder - Máquinas Gráficas, S.A.
Rua Joaquim Alves da Silva 240, 420 e 570
4455-473 Perafita/Portugal
Tel. +351 22-9 98 22 00
Fax +351 22-9 98 22 01