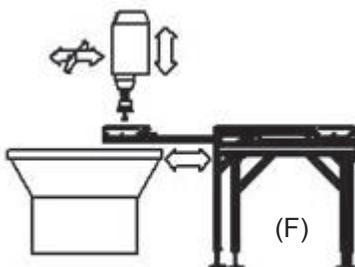


Sliding Cassette Store (KSS)

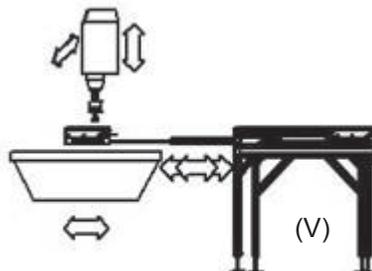


Work piece store for nearly all CNC-machining centres

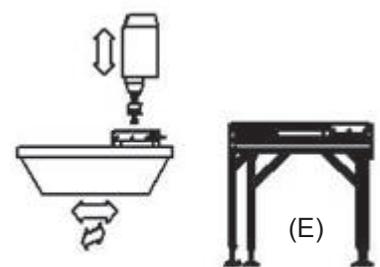
Gantry type machine tool



Machine tool with X-table



Machine tool with cross table



Functionality

The sliding cassette store can be adapted to most spaces, since it can be adjusted in almost any direction.

The store is loaded with cassettes in such a way that one cassette slot is always free.

Like a sliding tile puzzle, every time a piece moves to the next cycle, one cassette line follows the other into the free cassette slot.

To bring the components into the operating range of the machine tool, a palette moves temporarily into the operating area of the spindle.

The patented cassette feed is so smooth-running that shielding of the store must be built on only at the passage to the machine tool.

As a result, this is a solution that provides good value for money while allowing continuous access to work pieces.

The speed of the movements can be set in advance.

The control of the pneumatically-driven sliding cassette store happened by 3 to 5 M-codes.

The components on the cassette can be positioned flat or in stacks. As well as masks, we offer a range of stack and insert components to localise them.

Technical data

Cassette load	up to 500 N
Cassette widths	125, 250, 375, 500 mm
Cassette lengths	250 to 1000 mm
Compressed air drive	5 bar
Motion speed	50 to 300 mm/s
Height adjustment	150 mm
Load height	300 mm
Total height	500 to 1500 mm
Protection against remachining	by security pin

Operating area

Sliding cassette stores stock and feed raw parts and work pieces. These stores of modular construction are frequently placed next to the machine tool.

They can, however, be directly integrated into the machine tool in some cases.

They are particularly well suited to linking machines together in a flexible way.

The sliding cassette stores' capabilities make them especially suited to the self operation of CNC machines, in which the machines rely on work piece exchange in the operating area of the spindle.

This store is suitable for both gantry type machining centres and for cross table machines or machines whose table moves in the x-axis.

These stores are suitable for round and cubic components as well as for cast and moulded parts.

In individual cases, palettes are also stored. The permitted dimensions of the components depend on the size of the cassette, which can normally be chosen at will.

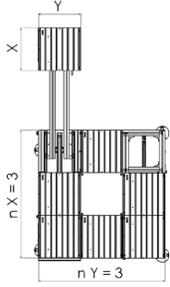
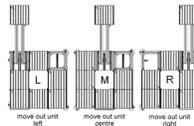
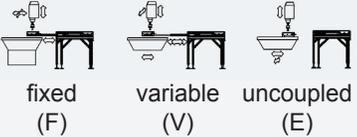
Special characteristics

- Very high component density as no chuck and/or palette is necessary
- Quick and easy access to the components
- Simple control by using M-codes
- Very flexible and easy to adjust in shape and dimensions
- Can be used as store- and/or transport unit
- Suitable for linking CNC-machines

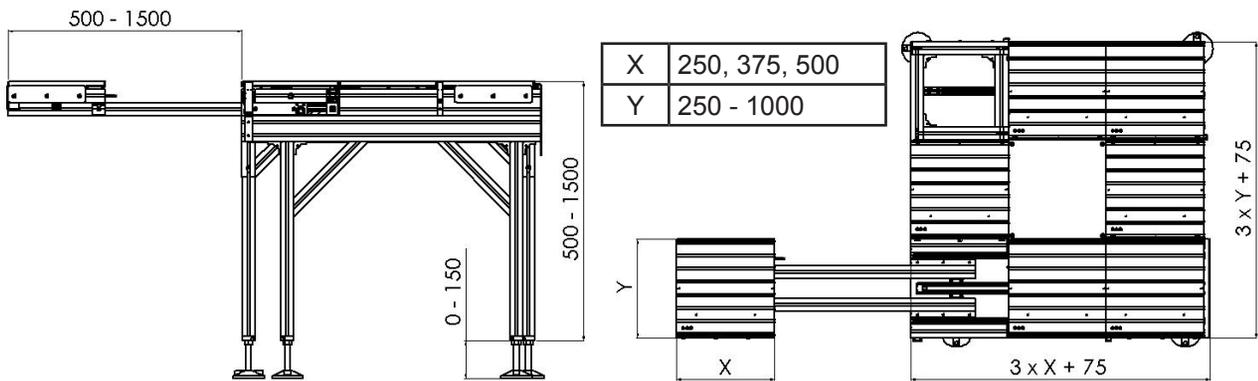
Order system Sliding-Cassette-Store (KSS)

Order-Example:

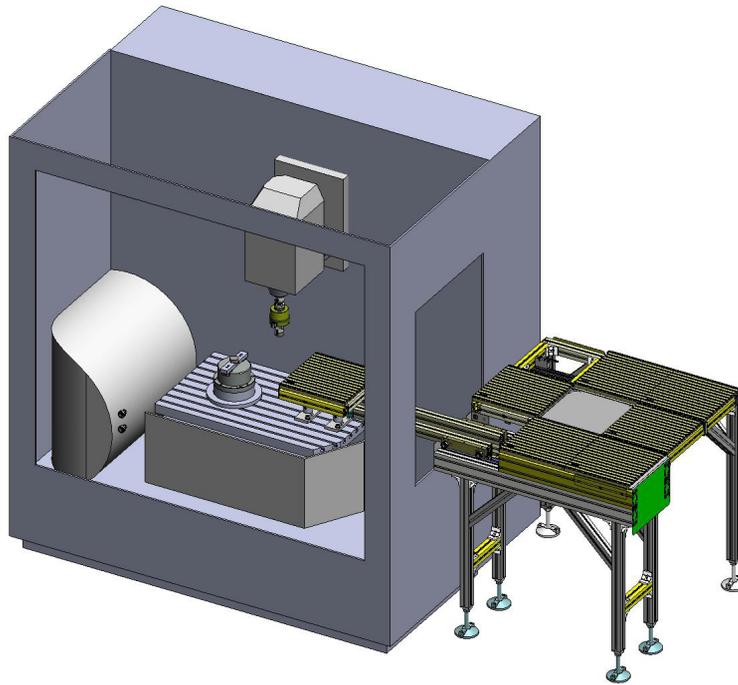
WSSP-KSS-□375-3-3-K7-L-F

Detail	Description	View	Code	Example
Device	Work piece store		WSSP	WSSP
Type	Sliding cassette store		KSS	KSS
Cassette size	250 x 250 375 x 375 500 x 500 Other cassette sizes on request		□250 □375 □500	□375
Cassette arrangement	n X = 3 (possible = 2-10) n Y = 3 (possible = 2-10)		X Y	3 3
Number of cassettes	3 cassettes 5 cassettes 7 cassettes 9 cassettes 11 cassettes 13 cassettes 15 cassettes > 15 on request		K3 K5 K7 K9 K11 K13 K15	K7
Move out unit	Left hand Central Right hand		L M R	L
Cassette positioning	fixed (F) variable (V) uncoupled (E)		F V E	F

Dimensional drawing



Work piece store on machine tool



Common construction shapes

