

PROFImat

High-performance loading magazine

with 8 (6) feed channels, for bars from 5 to 130 mm in diameter

Automatic channel switching for shortest set-up times

The PROFImat loading magazine is equipped with 8 (6) different channels for feeding of long bars. The channels can be individually combined and ordered as required.

The feed channels are formed by two slot-free segments mounted on opposite rolls. This allows switching from one feed channel to the next within two seconds.

The channels are closed on the sides, ensuring reliable feed of all types of profile.

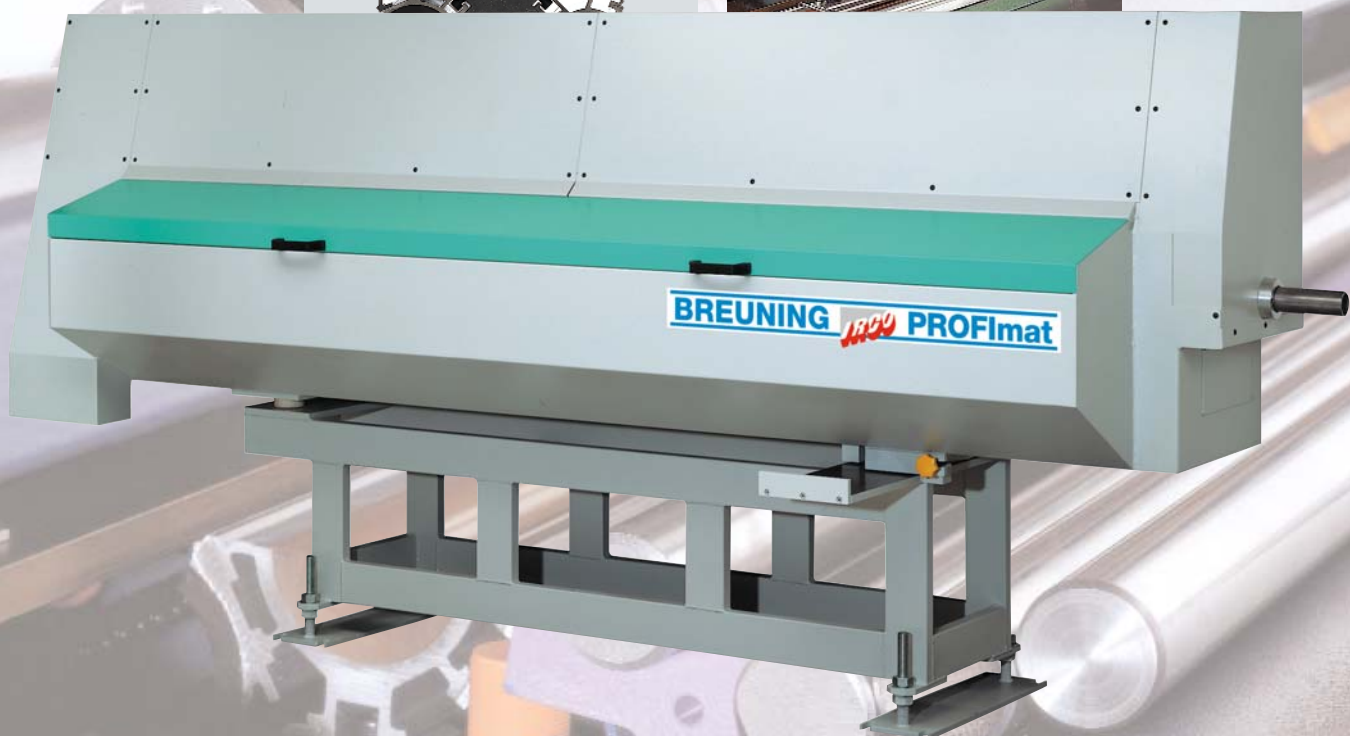
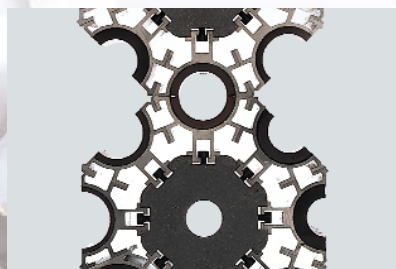
To change the spindle liner tube on the lathe, the PROFImat can simply be swung to the side.

Shortest cycle times

Thanks to a completely new servo drive, the feed force (torque) and feed speed (motor speed) can be adjusted independently of each other.

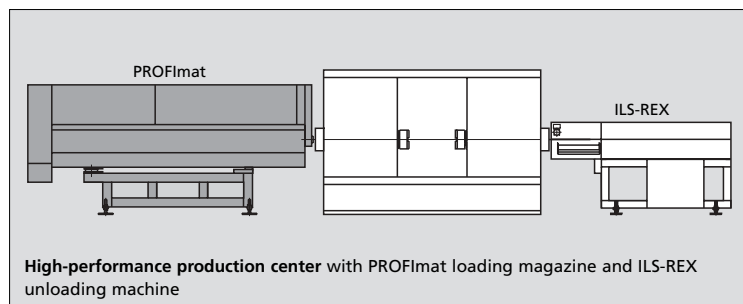
When the chuck is opened, the bar is moved on without delay and without unwanted acceleration.

Every feed channel size has allocated standard parameters in the control system. These parameters are activated automatically when switching to the particular channel.



PROFImat – perfect loading technology

for full utilisation of your machining capacities



Shortest cycle times during bar switching

The end piece of the bar is ejected into the chip compartment through the spindle. During machining of a workpiece the PROFImat loading magazine is not idle, transferring the next bar into the feed channel and pushing it into the wait position.

Oil flow-through for high revolutions

The hydrodynamics of the oil flow stabilises the concentricity and compensates for intermediate material diameters. The bars fed to the lathe are automatically centred, under low friction and without vibration, thus removing the load on the lathe spindle in particular.

Control interfaces

BREUNING has a pool of improved interfaces for quick connection to the lathes from well-known manufacturers. This reduces the work required for installation and start-up.

Control module

With programmable insert bar position

Material stopper

To insert profiled bars into the chuck

Optional extras

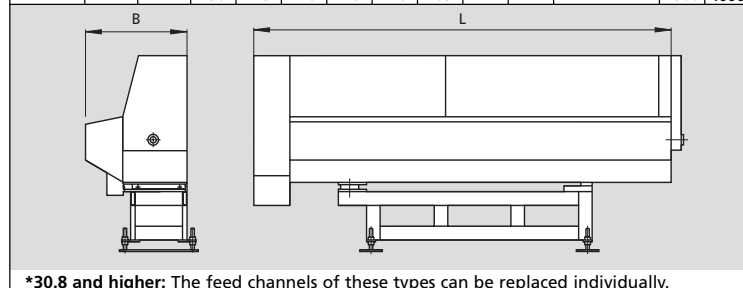
- End piece ejection to the back
- Electromechanical swing device
- Axial linear movement

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PROFImat standard – technical specifications

Feed Channel Width	Bar diameter in mm		Number of bar channels								Types*	Dimensions	
	max	min	1	2	3	4	5	6	7	8		B	L
22	20	5	20	18	15	13	11	10			ecoPROFI	913	4200
24	22	5	22	20	17	14	11	10			ecoPROFI	913	4200
26	24	5	24	20	19	15	12	10			ecoPROFI	913	4200
28	26	5	26	22	19	15	12	10			ecoPROFI	913	4200
32	30	5	30	25	20	16	12	10			ecoPROFI	913	4200
32	30	5	30	28	24	20	17	14	11	10	30.8 – 196/8	900	3800
34	32	5	32	28	24	20	17	14	11	10	32.8 – 196/8	900	3800
36	34	5	34	32	28	24	20	16	13	10	34.8 – 196/8	900	3800
42	40	5	40	35	30	25	20	16	13	10	40.8 – 196/8	900	3800
44	42	5	42	35	30	25	20	16	13	10	42.8 – 196/8	900	3800
47	45	5	45	40	35	30	25	20	15	10	45.8 – 196/8	900	3800
52	50	8	50	45	40	35	30	25	20	15	50.8 – 196/8	900	3800
54	52	8	52	45	40	35	30	25	20	15	52.8 – 196/8	900	3800
57	55	25	55	50	45	40	35	30			55.6 – 196/6	900	3800
57	55	15	55	50	45	40	35	30	25	20	55.8 – 270/8	1250	3900
62	60	30	60	55	50	45	40	35			60.6 – 196/6	900	3800
62	60	20	60	55	50	45	40	35	30	25	60.8 – 270/8	1250	3900
64	62	30	62	55	50	45	40	35			62.6 – 196/6	900	3800
64	62	20	62	55	50	45	40	35	30	25	62.8 – 270/8	1250	3900
67	65	35	65	60	55	50	45	40			65.6 – 196/6	900	3800
67	65	25	65	60	55	50	45	40	35	30	65.8 – 270/8	1250	3900
70	68	35	68	62	56	50	45	40			68.6 – 196/6	900	3800
72	70	40	70	65	60	55	50	45			70.6 – 270/6	1250	3900
72	70	30	70	65	60	55	50	45	40	35	70.8 – 270/8	1250	3900
74	72	40	72	65	60	55	50	45			72.6 – 270/6	1250	3900
74	72	30	72	65	60	55	50	45	40	35	72.8 – 270/8	1250	3900
82	80	50	80	75	70	65	60	55			80.6 – 270/6	1250	3900
82	80	40	80	75	70	65	60	55	50	45	80.8 – 270/8	1250	3900
92	90	60	90	85	80	75	70	65			90.6 – 270/6	1250	3900
92	90	50	90	85	80	75	70	65	60	55	90.8 – 340/8	1500	4000
102	100	70	100	95	90	85	80	75			100.6 – 270/6	1250	3900
102	100	60	100	95	90	85	80	75	70	65	100.8 – 340/8	1500	4000
112	110	80	110	105	100	95	90	85			110.6 – 340/6	1500	4000
122	120	90	120	115	110	100	95	90			120.6 – 340/6	1500	4000
132	130	100	130	125	120	115	110	105			130.6 – 340/6	1500	4000



*30.8 and higher: The feed channels of these types can be replaced individually.