

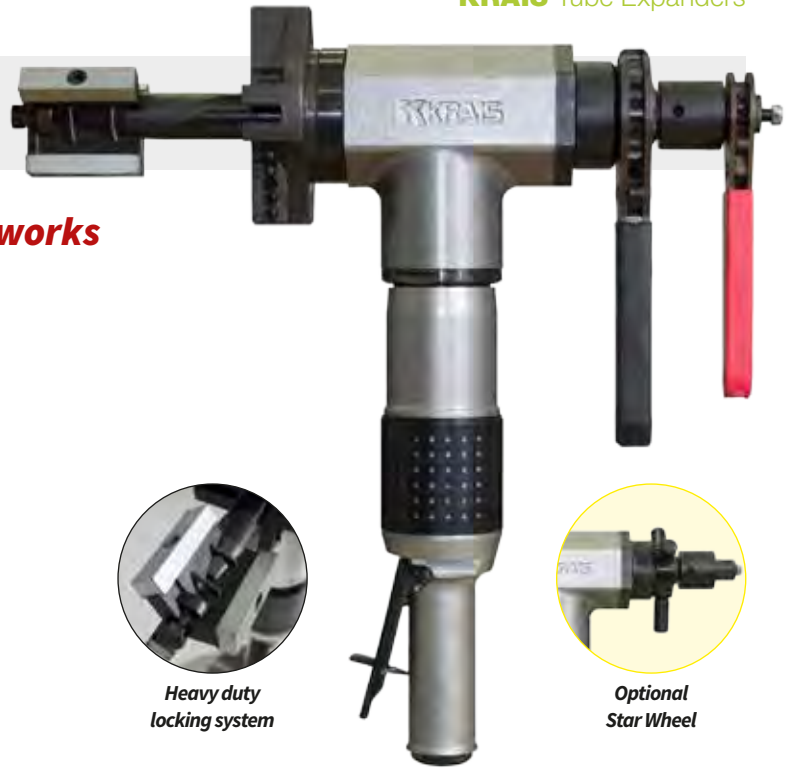
PrepMill

Signature beveler for boiler-works

The PrepMill series pneumatic tube facing, bevelling and weld removal machine. The PrepMill is a rugged, fast, portable weld end preparation lathe for various tubes including stainless steel and other high chromium alloys. Machine is constructed on two opposite set up taper roller bearings that makes the machine extremely stable and very rigid and compact. A standard machine is equipped to cover 25 to 122 mm ID (1" to 4,8") with a 116 mm cutter head.

Key features

- heavy duty rigid and powerful yet compact,
- heavy duty ratchet handles for feeding and locking,
- easy to lock rigidly into tube and makes continous clean chips without lubricant,
- simultaneous bevel-face-bore machining,
- torque free operation,
- low maintenance and no special training is required.



	APPLICATION RANGE	STD. LOCKING RANGE	FREE SPEED	POWER	TORQUE	FEED STROKE
PrepMill	20 I.D. to 127 OD mm	25 – 122 mm	120 Rpm	1,3 Hp	140 Nm	25 mm
	0,787" ID – 5.000" OD	1,00 – 4,80"			105 Ft.Lbs	1,000"

Air use:	55 CFM	1,3 m³/min	Body width:	2,59"	66 mm	Body height:	14,5"	370 mm	Body weight:	20,5 Lbs	9,5 kg
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Recommended for

Tube facing ■ Tube bevelling ■ Weld removal

PREPMILL-E

PrepMill-E is electric version of PrepMill. A standard machine can cover the same pipe sizes and comes with the same cutting head. The electric motor made by Makita with 3 stage planetary gear box made by KRAIS has variable speed control and produce enormous torque. Is interchangeable with pneumatic drive and can be purchased separately at any time.

Free Speed 120 RPM
 Power 1,3 Hp
 Torque 360 Nm (266 Ft.Lbs)
 Feed Stroke 25 mm (1")



ADDITIONAL ACCESSORIES



SPEED REDUCER
 Speed reducer can be used for seal and strength weld removal applications including duplex, super duplex and other hard to machine alloys.



PNEUMATIC CLAMPING SYSTEM

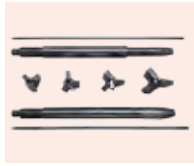
Perfect accessory for manufacturing plants with high volumes of end preps on tubes and pipes. It offers rapid tube to tube cycle time, increased productivity with minimal operator fatigue. The system can be used for tube facing on condensers and heat exchangers, boiler tube panel fabrication, seal weld removal .



KRAIS Tube Expanders

Beveling Machines

AVAILABLE SHAFTS



SHAFTS 20/25

Redesigned heavy duty locking system. Shafts and jaws are longer and wider to ensure maximum clamping force. The jaws are self-align.

BACKLASH COMPENSATOR



This enables you to make the backlash compensation between shaft spline and the feed spline to ensure the machine is completely chatter free. See manual for instructions.

SAV-500 SPEED ADJUSTMENT VALVE



Perfect solution for all our beveling machines for adjusting cutting speed to suit to the machined tube diameter.

UNIVERSAL CUTTER HEADS



116 mm (4,17")

66 mm (2,36")

88 mm (3,46")

OPTIONAL SPECIALIZED CUTTER HEADS



PMRBMH

Membrane removal heads and overlay removal heads efficiently remove material from between boiler tubes.

TABLE ● PAGE F-23

STWRPM

Custom designed head dedicated for strength weld removal. Heads are sized per tube diameter.

TABLE ● PAGE F-20

OBPM

Head for outside beveling of both tubes and pipes. Sized per tube or pipe diameter and angle of required weld bevel.

TABLE ● PAGE F-21



TFPM

A tube facing milling head for facing tubes made of any type of material. Utilizes 6% cobalt inserts.

TABLE ● PAGE F-21

LOCKING RANGES WITH STANDARD SHAFT25 JAWS

RANGE [MM]		RANGE [INCH]		JAWS	EXT.	SPRING	
MIN	MAX	MIN	MAX			NR	QTY.
25	30	0,984	1,181	NS-1	-	SP-24	1
30	35	1,181	1,378	NS-2	-	SP-24	1
35	40	1,378	1,575	NS-3	-	SP-25	2
40	45	1,575	1,772	NS-4	-	SP-25	2
45	50	1,772	1,969	NS-5	-	SP-25	2
50	55	1,969	2,165	NS-6	-	SP-25	2
55	60	2,165	2,362	NS-7	-	SP-25	2
60	65	2,362	2,559	NS-8	-	SP-25	2
62	67	2,441	2,638	NS-5	NS-10	SP-25	2
67	72	2,638	2,835	NS-6	NS-10	SP-25	2
72	77	2,835	3,031	NS-7	NS-10	SP-25	2
77	82	3,031	3,228	NS-8	NS-10	SP-25	2
82	87	3,228	3,425	NS-5	NS-20	SP-25	2
87	92	3,425	3,622	NS-6	NS-20	SP-25	2
92	97	3,622	3,819	NS-7	NS-20	SP-25	2
97	102	3,819	4,016	NS-8	NS-20	SP-25	2
102	107	4,016	4,213	NS-5	NS-30	SP-25	2
107	112	4,213	4,409	NS-6	NS-30	SP-25	2
112	117	4,409	4,606	NS-7	NS-30	SP-25	2
117	122	4,606	4,803	NS-8	NS-30	SP-25	2

LOCKING RANGES WITH OPTIONAL SHAFT20 JAWS

RANGE [MM]		RANGE [INCH]		JAWS	EXT.	SPRING	
MIN	MAX	MIN	MAX			NR	QTY.
20	24	0,787	0,945	NS-0	-	SP-19	1
24	28	0,945	1,102	NS-1	-	SP-19	1



PrepMill with its 66 mm (2-5/8) width body perfectly fit into limited access areas such as Water wall panels. Easy to clamp and feed with our heavy duty ratchet or star wheel feed.