

## PanelMill 65

The PanelMill attaches to the tube outside diameter by means of custom or specific clamp type jaws that provide strong clamping action that minimizes chatter and vibration. Rugged construction allows the tool's cutting blade to end prep quickly. Several cutter heads are available for tubes with up to 2-1/2" O.D. Both the clamp and cutter heads are extremely durable and easy to change. The ratchet feed arm enables the operator to comfortably feed the tool during bevelling or facing. The PanelMill is suitable for small bore heavy wall tubes with a high percentage of chrome, stainless steel, and other exotic alloys. Standard and custom made blades are offered in a wide variety of angles and sizes.



MODEL	WORKING RANGE	CLEARANCE	CLADDING REMOVAL	MEMBRANE UP TO	FEED STROKE	FREE SPEED	TORQUE
PANELMILL 65EXT	19 - 63,5 mm	70 mm	44,4 mm	51,0 mm	25,4 mm	100 Rpm (Opc. 35, 200, 300)	140 Nm
	0,75 - 2,50"	2,75"	1,75"	2,0"	1,0"		105 Ft.Lbs
	AIR USE		BODY WIDTH		BODY HEIGHT		WEIGHT
	55 cfm	1,3 m <sup>3</sup> /min	1,96"	50 mm	13,1"	300 mm	22 Lbs 10 kg

MODEL	WORKING RANGE	CLEARANCE	CLADDING REMOVAL	MEMBRANE UP TO	FEED STROKE	FREE SPEED	TORQUE
PANELMILL 65EXT-M	50 - 63,5 mm + 63,5 MEMBRANE	84 mm	63,5	63,5 mm	25,4 mm	100 Rpm (Opc. 35, 200, 300)	140 Nm
	0,75 - 2,50" + 2,50" MEMBRANE	3,3"	2,5"	2,5"	1,0"		105 Ft.Lbs
	AIR USE		BODY WIDTH		BODY HEIGHT		WEIGHT
	55 cfm	1,3 m <sup>3</sup> /min	1,96"	50 mm	12,60"	320 mm	24 Lbs 11 kg

MODEL	WORKING RANGE	CLEARANCE	CLADDING REMOVAL	MEMBRANE UP TO	FEED STROKE	FREE SPEED	TORQUE
PANELMILL 101	50 - 101 mm	122 mm	88,9 mm	122 mm	25,4 mm	100 Rpm (Opc. 40)	140 Nm
	2 - 4"	4,8	3,5"	4,8"	1,0"		105 Ft.Lbs
	AIR USE		BODY WIDTH		BODY HEIGHT		WEIGHT
	55 cfm	1,3 m <sup>3</sup> /min	1,96"	50 mm	13,77"	350 mm	40 Lbs 18 kg

### CLAMPING JAWS FOR PANELMILL

JAWS NO.	TUBE OD	
	[MM]	[INCH]
300 PM#2	19,05	0,750
301 PM#2	20,00	0,787
304 PM#2	22,20	0,874
308 PM#2	25,40	1,000
309 PM#2	25,00	0,984
312 PM#2	28,80	1,134
313 PM#2	30,00	1,181
314 PM#2	31,70	1,248
318 PM#2	34,90	1,374

JAWS NO.	TUBE OD	
	[MM]	[INCH]
322 PM#2	38,10	1,500
326 PM#2	44,40	1,748
330 PM#2	50,80	2,000
331 PM#2	51,00	2,008
334 PM#2	57,10	2,248
338 PM#2	60,30	2,374
342 PM#2	63,50	2,500
346 PM#2	76,20	3,000

### MACHINING IN EVERY POSITION



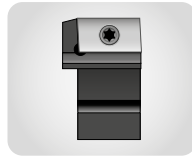
**UNIVERSAL CUTTER HEADS**



**50 MM (1,97'')**  
Head supplied with PanelMill 63. Designed to fasten wide range of cutting inserts.



**63 MM (2,48'')**  
Head supplied with PanelMill 100. Designed to fasten wide range of cutting inserts.



**BIT & HOLDERS**  
Universal cutter heads can hold a wide range of holders, with a bunch types of bits.  
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**PANELMILL-E**

PanelMill E is electric version of PanelMill. A standard machine 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 .....115 RPM  
Power.....750 W  
Torque .....366 NM (280 Ft.Lbs)  
Feed Stroke .....20 mm (0,787'')

**OUTSIDE BEVELLING HEAD**



BIT: HSS 6% COBALT DEGREE: 37,5°

Outside beveling head for machining tubes without membranes in a boiler water wall.

HEAD NR	TUBE CAPACITY			RANGE [INCH]		RANGE [MM]		INSERT	NO. OF INSERTS
	[INCH]	[MM]	BWG	MIN	MAX	MIN	MAX		
OBPMH-190	0,750	19,05	14-23	0,5826	0,866	14,80	22,00	WRIL	2
OBPMH-222	0,875	22,23	12-23	0,654	1,004	16,60	25,50	WRIL	2
OBPMH-254	1,000	25,40	11-23	0,764	1,122	19,40	28,50	WRIL	2
OBPMH-285	1,125	28,58	11-23	0,890	1,240	22,60	31,50	WRIL	2
OBPMH-317	1,250	31,75	8-23	0,917	1,732	23,30	44,00	WRIL	2
OBPMH-381	1,500	38,10	6-23	0,984	1,850	25,00	47,00	WRIL	2
OBPMH-444	1,750	44,45	6-23	1,024	1,890	26,00	48,00	WRIL	2
OBPMH-508	2,000	50,80	6-23	1,181	2,047	30,00	52,00	WRIL	2
OBPMH-571	2,250	57,15	6-23	1,417	2,283	36,00	58,00	WRIL	2
OBPMH-603	2,375	60,33	6-23	1,535	2,402	39,00	61,00	WRIL	2
OBPMH-635	2,500	63,50	6-23	1,654	2,559	42,00	65,00	WRIL	2
OBPMH-889	3,500	88,90	6-23	2,677	3,543	68,00	90,00	WRIL	2

**MEMBRANE REMOVAL HEAD**



BIT: CARBIDE

Specially designed head for membrane removal and overlay head (cladding removal)

HEAD NR	TUBE CAPACITY		RANGE [INCH]		RANGE [MM]		INSERT	NO. OF INSERTS
	[INCH]	[MM]	MIN	MAX	MIN	MAX		
PMRBMH-254	1,000	25,40	1,000	1,630	25,40	41,40	PO8	4
PMRBMH-288	1,125	28,58	1,134	1,764	28,80	44,80	PO8	5
PMRBMH-317	1,250	31,75	1,248	1,878	31,70	47,70	PO8	5
PMRBMH-381	1,500	38,10	1,500	2,130	38,10	54,10	PO8	6
PMRBMH-444	1,750	44,45	1,748	2,378	44,40	60,40	PO8	6
PMRBMH-508	2,000	50,80	2,000	2,630	50,80	66,80	PO8	7
PMRBMH-571	2,250	57,15	2,252	2,882	57,20	73,20	PO8	7
PMRBMH-603	2,375	60,33	2,374	3,004	60,30	76,30	PO8	7
PMRBMH-635	2,500	63,50	2,500	3,130	63,50	79,50	PO8	7
PMRBMH-762	3,000	76,20	3,000	3,630	76,20	92,20	PO8	8
PMRBMH-889	3,500	88,90	3,500	4,130	88,90	104,90	PO8	8
PMRBMH-101	4,000	101,60	4,000	4,630	101,60	117,60	PO8	9