

PipeLathe 24

PipeLathe 24 is strong and versatile facing lathe in the KRAIS line, engineered for precision machining of pipes up to 24" (600 mm) OD, including the most demanding materials such as P91, Super Duplex, SMO-254, Inconel, and high-alloy stainless steels.

The new generation introduces a fundamental upgrade: full multi-drive compatibility, with the ability to work using hydraulic, electric PMSM, or pneumatic drives, either in single-motor or dual synchronized motor configuration.

This gives operators the freedom to optimise torque, speed, and cutting dynamics depending on the application - from heavy wall machining to clean, highly repeatable bevels in stainless steels.

THREE FULLY SUPPORTED DRIVE OPTIONS

- Hydraulic drive - extreme torque for heavy-wall machining and hard alloys.
- Electric PMSM drive - high efficiency, constant torque across the full speed range, ideal for stainless steels.
- Pneumatic drive - lightweight, dynamic, EX-safe, and easy to service.



SINGLE- OR DUAL-MOTOR OPERATION FOR ALL DRIVES

Two synchronized drives significantly increase torque capacity and ensure stable cutting conditions on wall thicknesses up to 3 inches.



STANDARD WORKING RANGE		FEED STROKE	POWER (ONE PNEUMATIC)	FREE SPEED (ONE PNEUMATIC)	TORQUE (ONE PNEUMATIC)		
APPLICATION RANGE	LOCKING RANGE						
180 - 609 mm	175 - 600 mm	60 mm	3,5 hp	5 Rpm	12500 Nm		
7,0 - 24,0"	6,889 - 23,6"	2,4"			9219 Ft.lbs		
AIR USE		AIR PRESSURE		BODY DIMENSIONS		BODY WEIGHT	
85 cfm	2,8 m³/min	90 PSI	6,2 Bar	38 x 22 x 22"	950 x 550 x 500 mm	495 Lbs	225 kg

KEY FEATURES OF PIPELATHE 24

- High rigidity and mechanical stability
- 150 mm (5.9") one-piece locking shaft with integrated jaws — no springs, no O-rings.
- 6-point locking system providing maximum stiffness and vibration-free cutting.
- One mandrel and six jaw sets cover the entire working range.

Wide machining capability

- 10–37° compound bevel
- J-Prep (all standard angles)
- V-bevel, U-bevel, facing, boring
- Internal and external beveling
- Up to 3" wall thickness

DRIVE CONFIGURATIONS



HYDRAULIC DRIVE (SINGLE OR DUAL)

Provides the highest torque output and unmatched stability. Ideal for:

- Heavy wall up to 3"
- Cutting operations with strong heat build-up



EV2000-SYNC ELECTRIC DRIVE (SINGLE OR DUAL)

Constant torque even at low RPM

- Smooth, quiet operation
- Excellent surface finish and high process repeatability
- Perfect for stainless steels and high-alloy applications



PNEUMATIC DRIVE (SINGLE OR DUAL)

Best choice in EX-restricted zones

- Lightweight, dynamic acceleration
- Easy to maintain and economical to operate

PipeLathe 24

AVAILABLE HOLDERS

Facing	Inside bevelling and boring	Outside bevelling	J-Prep	Compound bevelling
				
F-45-90 BIT: 2CDI	IB-45-37 IB-45-10 BIT: 2CDI	OB-45-45 OB-45-37 OB-45-30 OB-45-10 BIT: 2CDI	JP-45-45 JP-45-37 JP-45-30 BIT: 2CDJ-5	CB-1037 (OTHERS ON REQUEST) BIT: CB-45

HYDRAULIC POWER-PACK



For advanced, heavy-duty applications, we offer high-performance hydraulic power units (HPUs) designed for seamless integration with the hydraulic-driven version of the PipeLathe 24.

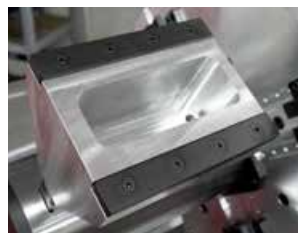
ADVANTAGES OF PIPELATHE 24



HEAVY DUTY DESIGN

The PipeLathe24 is engineered specifically to excel in the harshest industrial environments. At the heart of this series is a robust, extended steel spindle which serves as the foundation for maximum structural rigidity.

Unlike conventional designs where the locking shaft is only partially seated within a softer aluminum body—a flaw that creates stress points and leads to adverse vibration due to excessive tension—our locking shaft is fully mounted and supported within the hardened steel spindle.



6 POINT LOCKING JAWS

150 mm (5,9") shaft, assures rigidity when machining heavy wall pipe. The jaws are fully contained within the shaft with no need for retaining springs or O-rings that easily brake or get lost.



HEAVY DUTY PENDANT

Machine is equipped with a heavy duty pendant. This can be attached to both sides of the motor for operator convenience.

LOCKING RANGES WITH STANDARD JAWS

JAWS: PL-42

RANGE [MM]		RANGE [INCH]		SEGMENT		
MIN	MAX	MIN	MAX	A	B	C
175,0	200,0	6,890	7,874			
200,0	225,0	7,874	8,858	PL-42-A-125		
225,0	250,0	8,858	9,843	PL-42-A-250		
250,0	275,0	9,843	10,827	PL-42-A-375		
275,0	300,0	10,827	11,811	PL-42-A-500		
300,0	325,0	11,811	12,795	PL-42-A-500 PL-42-A-125		
325,0	350,0	12,795	13,780	PL-42-A-500 PL-42-A-250		
350,0	375,0	13,780	14,764		PL-42-B	
375,0	400,0	14,764	15,748	PL-42-A-125	PL-42-B	
400,0	425,0	15,748	16,732	PL-42-A-250	PL-42-B	
425,0	450,0	16,732	17,717	PL-42-A-375	PL-42-B	
450,0	475,0	17,717	18,701	PL-42-A-500	PL-42-B	
475,0	500,0	18,701	19,685			PL-42-C
500,0	525,0	19,685	20,669	PL-42-A-125		PL-42-C
525,0	550,0	20,669	21,654	PL-42-A-250		PL-42-C
550,0	575,0	21,654	22,638	PL-42-A-375		PL-42-C
575,0	600,0	22,638	23,622	PL-42-A-500		PL-42-C

EXAMPLE TOOL APPLICATION

