LEYAN

Corporate Brochure

2023/03

Ningbo Leyan Mechinery Technology Co., Ltd.,
founded in March 2018.

"quality first, customer first"

INTRODUCTION

Ningbo Leyan Mechinery Technology Co., Ltd., founded in March 2018, mainly engaged in research and development of CNC machine, mechanical equipment, hardware products, and also in research and development of auto parts, motorcycle parts, sales of machinery and equipment, special ceramic products, metal tools, mechanical parts, components and electronic products etc.

Since our company has established, we have always adhered to the management principle of talent orientation and integrity. The development philosophy of us stays "management creates value, service improves advantages, quality keeps supreme". As unswerving pursuit, unity, innovation, pragmatism and striving are kept in our mind.

CORE COMPETENCE

Our company cherishes every honor, adhering to the business purpose of "quality first, customer first". Meanwhile, our company constantly contributes excellent construction products to the society, complementing the advantages of all sectors of society, and creating brilliance together!

Advanced Manufacturing Technology

The production and processing equipment of our products all use the world's top original lathe machines.

Accurate Digital CNC Lathe Machine

Our products adopted Taiwan (SYNTEC) system, high stability, high precision and high accuracy spindle.

Applications Used Widely in Fields

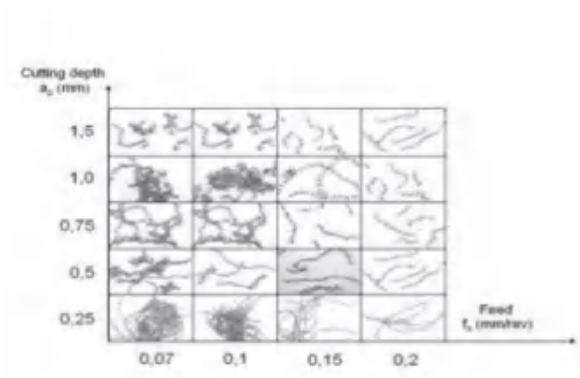
Automatic continuous processing can be achieved by equipping the machine with an automatic feeder.

Superior Quality in After-Sale Service

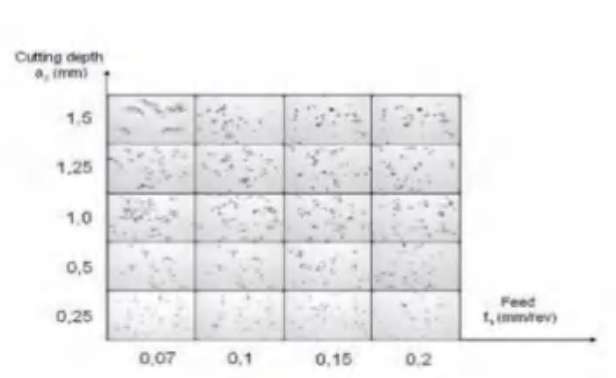
Our firm embraces a professional and mature after-sales team to give quickly our customers full after-sales service support.

High Pressure Iron Flings Processing

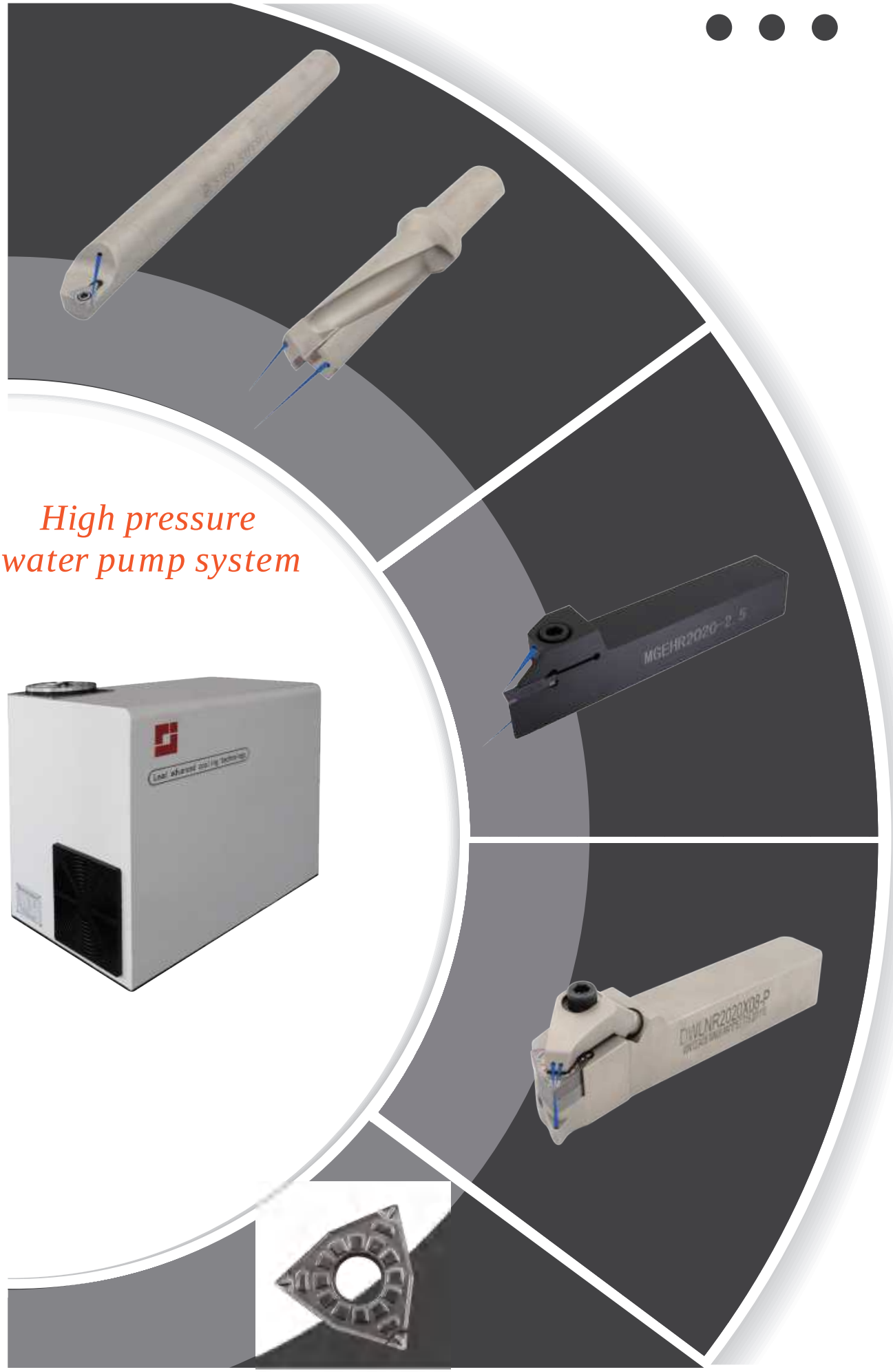
Contrast figure of iron chip breaking



Normal Pressure



High Voltage



High pressure water pump system

High-Precise
CNC Lathe Machine

(TTS 150-300/150-500)

Finished Metal And Spare Parts Of Machine Tools

High-Precise
CNC Lathe Machine

(TTS 200)

Finished Metal And Spare Parts Of Machine Tools

Specification Table

PROJECTS	SPECIFICATIONS	LEYAN150-300	LEYAN 150-500	LEYAN 200-600	UNIT
Processing Capacity	Max. swing	536		580	mm
	Max. turning diameter	330		370	mm
	The distance between the end face of the spindle turret and faces	115-440	125-695	110-710	mm
	Max. turning length	285	530	580	mm
Spindle	Spindle motor power	7(optional 12)		18.5	kw
	Spindle structure	Belt spindle		Built-in electric spindle	-
	Type of spindle nose	A2-6		A2-6	-
	Spindle speed range	4500			rpm
	chuck	8(optional 10)			in
	Through spindle hole diameter	φ62		φ76	mm
	Bar capacity	φ51		φ51mm(optionalφ65mm)	mm
	C axis(interpolation linkage axis)indexing	/			°
Transfer system	X axis	185		210	mm
	Z axis	325	570	600	mm
	X axis rapid fast forword speed	30		30	m/min
	Z axis rapid fast forword speed	36		36	m/min
Turret	Dota form	Servo Dota		Servo Dota	-
	Number of tool stations	8(optional 12)		12	ea
	Turret indexing time(180 deg)sec	0.2		0.2	sec/step
	Shank height for square tool	25(optional20)		25	mm
	Shank diameter for boring bar	φ40(optionalφ32)		φ40	mm
	Miling shaft power	/			kw
	Milling shaft speed	/			rpm
Tailstock	form	Automatic hydraulic tailstock		Servo programmable tailstock	-
	Taper hole form	MT4		MT5(Live tip)/MT4(Dead top)	-
	Quill stroke	300	/	500	mm
	Tailstock movement	10		10	m/min
Coolant system	Tank capacity	180L	225L	210	L
	Pump motor	750		750	W
	Pump capacity	1.5~7		1.5~7	m³/h
	Pump pressure	19~38		19~38	m
Power supply	Power supply	21	27	38	KVA
	power requirements	3φ380V±10%			v
Size and weight	Floor area(without chip conyeyor)	2271(L)*2440(W)*1830(H)	2313(L)*2440(W)*1830(H)	2438(L)*2560(W)*1825(H)	mm
	Footprint（back-out chip conveyor）	2271(L)*4360(W)*1830(H)	2313(L)*4360(W)*1830(H)	2438(L)*4238(W)*1825(H)	mm
	Floor area(side out chip conveyor)	4541(L)*2438(W)*1830(H)	4913(L)*2438(W)*1830(H)	5061(L)*2554(W)*1825(H)	mm
	Mass of machine	3800	4200	4600	kg
Miscellaneous	Ambient temperature	0~40		0~40	℃
	Relative humidity	≤85%		≤85%	-

CNC Turning
and Milling Machines

(TTS 46/52-4+4+Y)

Finished Metal And Spare Parts Of Machine Tools

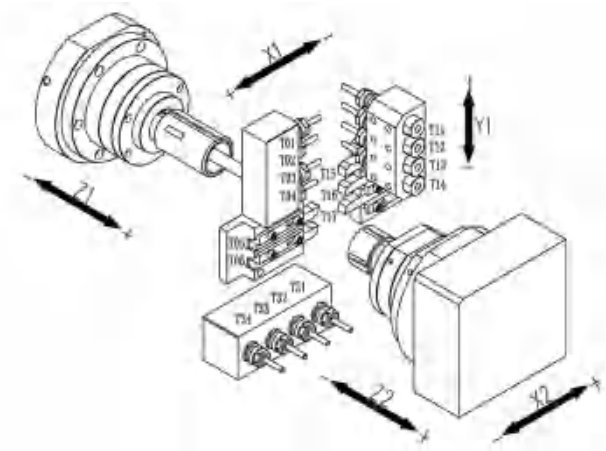
Specification Table

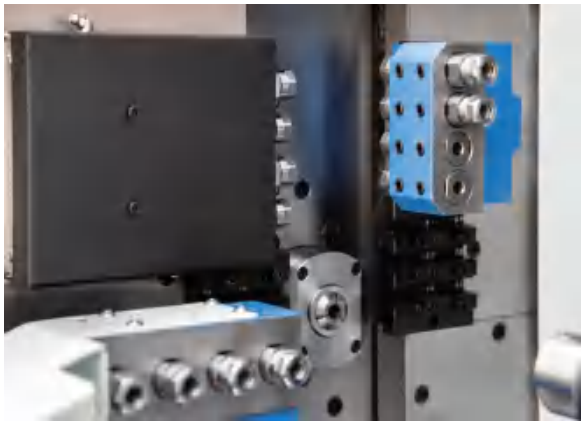
PROJECTS	SPECIFICATIONS	LEYAN CK46-4+4+Y	LEYAN CK52-4+4+Y	UNIT
Processing Range	Max.swing	Ø500	Ø500	mm
	Swing over cross slide	Ø200	Ø200	mm
	Max. turning diameter	Ø200	Ø200	mm
	Max. turning length	200	200	mm
	Bar capacity	Ø45	Ø51～55	mm
Spindle	Type of spindle nose	A2-5	A2-6	/
	Through spindle hole diamete	Ø56	Ø66	mm
	Chuck	Type 46 rear pull-out(46型后拉式)	52	/
	Spindle speed range	6000	4500	rpm
	Spindle motor type	1～4500	1～3500	rpm
	Spindle resolution	1024/32768	1024/32768	1/n
Feedrate	X-axis travel	1000	1000	mm
	Z-axis travel	470	470	mm
	Y-axis travel	260	260	mm
	Goo-G	24	24	m/min
	Goo-G	16/18	16/18	m/min
	Goo-G	15	15	m/min
	Goo-G	8	8	m/min
	Guide way	32*8	32*8	mm
	Guide way	35	35	mm
	Guide way	25*5	25*5	mm
	Guide way	25	25	mm
Turret	Number of tool stations	8+X	8+X	PCS
	Shank height for square tool	20*20	20*20	mm
	Shank diameter for boring bar	Ø20/25	Ø20/25	mm
Power Unit	Power head tool plus form	ER25	ER25	/
	Power head tool	Z-axis 4+X-axis4	Z-axis 4+X-axis4	PCS
	Spindle speed range	6000	6000	rpm
	Spindle motor type	4000	4000	rpm
	Drilling	Ø16	Ø16	mm
	Tapping	M8	M8	mm
	distance	65	65	mm
Spindle Motor (30min/cont) KW(HP)	Power of main motor	7.5	7.5	KW
	Const torque	47.75NM(2000 r/min)	47.75NM(2000 r/min)	NM
	X/Z/Y-axis feed motor	1.3	1.3	KW
	Max. spindle torque	8.39	8.39	NM
	power	1.7	1.7	KW
	torsion	8	8	NM
	speed range	5000	5000	rpm
	Spindle speeds	2000/6000	2000/6000	r/min
	Spindle motor resolution	1024/32768	1024/32768	1/n
	Pump motor	0.3	0.3	KW
Miscellaneous	CNC control axis number	6	6	PCS
	Spindle positioning brake device	/	/	/
	Angle	35°	35°	/
	Floor space	1.8*1.1=1.98	1.8*1.1=1.98	m²
	Table size (LxW)	700X290	700X290	mm
	Machine dimensions(L.W.H)	2.1X1.58X1.9	2.1X1.58X1.9	m
	Mass of machine	3430	3440	KG
	Power supply	13	13	kw
	Mean power consumption	2	2	kw/h

CNC Automatic
Slitting Lathe Machine

(TTS 125)

Finished Metal And Spare Parts Of Machine Tools





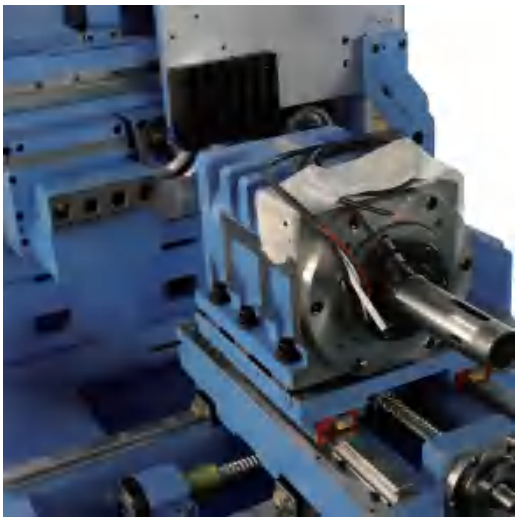
Specification Table

LEYAN 125	SPECIFICATION		PARAMETERS	UNIT
Processing capacity	Max. clamping diameter of spindle		Φ12	mm
	Rod hole diameter		Φ16	mm
	Maximum processing length	Fixed guide bush	180	/
		Rotary guide bush	60	/
		No guide bush	30	/
	Max clamping diameter of back shaft		Φ12	mm
	Max drilling diameter of spindle		Φ7	mm
	Max tapped hole diameter of spindle		M6	mm
	Max drilling diameter of back shaft		Φ7	mm
	Max tapped bore diameter of back shaft		M6	mm
	Max drilling diameter of radial power unit		Φ6	mm
	Max tapping diameter of radial power unit		M5	mm
Mechanical competence	Spindle speed		10000	r/min
	Back shaft speed		10000	r/min
	Power tool speed		6000	r/min
	Fast movement speed		30m/min(X2、Y1、Z1、Z2)	m/min
			24m/min(X1)	m/min
	Spindle runout		≤0.002	mm
	Repeatable positioning accuracy		≤0.003	/
Tool systems	External turning tools		5 (□l0)	/
	Face drilling tools		4 (ERll)	/
	Side power tools		4 (ERll)	/
	Backside drilling tools		4 (ERll)	/
Motor power	Spindle power		1.5	kw
	Back spindle power		1.5	kw
	Side power motor power		0.75	kw
	Cooling pump		0.25	kw
Machine weight	1800			kg
Machine dimensions (L * W *H)	1850x1100x1700			mm

CNC Automatic
Slitting Lathe Machine

(TTS 205/265)

Finished Metal And Spare Parts Of Machine Tools



Specification Table

PROJECTS	SPECIFICATIONS		LEYAN SL205	LEYAN SL265
Processing capacity	Max. clamping diameter of spindle		Φ20	Φ26
	Rod hole diameter		Φ25	Φ30
	Maxi processing length	Fixed guide bush	220	220
		Rotary guide bush	180	180
		No guide bush	50	50
	Max clamping diameter of back shaft		Φ20	Φ26
	Max drilling diameter		Φ10	Φ10
	Max. tapping diameter		M8	M8
Mechanical competence	Spindle speed		8000	8000
	Back shaft speed		8000	8000
	Power tool speed		5000	5000
	Fast movement speed		24	24
	Spindle runout		≤0.002	≤0.002
	Repeatable positioning accuracy		≤0.003	≤0.003
Tool systems	External turning tools		6 (□12)	1（□l6）+5（□12）
	Face drilling tools		4 (ER16)	4 (ER16)
	Side power tools		2 (ER11) +2 (ER16)	2(ER11)+2(ER16)
	Backside drilling tools		4 (ER16)	4 (ER16)
Motor power	Spindle power (kW)		4.2	4.2
	Back spindle power (kW)		3.1	3.1
	Side power motor power (kW)		0.75	0.75
	Cooling pump (kW)		0.4	0.4
Machine weight (kg)			2400	2400
Machine dimensions (L * W *H) (mm)			2300*1300*1770	2300*1300*1770

Horizontal Gear Hobbing Machine

(TTS 80/100)

Finished Metal And Spare Parts Of Machine Tools

Specification Table

SPECIFICATIONS		LY80	LY100
Max. machining diameter		Φ80 (can be expanded to (Φ100)	Φ100
Max. machining modulus (mm)		3	3
Max. machining length (mm)		220	/
Range of teeth number to be machined		3 - 999	3-999
Angle of rotation of the hob holder		±45°	±45
Max. hob diameter (mm)		80	Φ80
Max. hob length (mm)		100	/
Max. cutting stroke (mm)		100	/
Hob diameter (mm)		Φ13(optionalΦ10、Φ16、Φ22)	/
Workpiece spindles	Max. rpm (r/min)	500	1000
	Rated torque(n.m)	17	95
Hobbing spindles	Max. speed (r/min)	5000	5000
	Rated power (kw)	5.2	5.5
	Rated torque (n.m)	50	/
Rated torque of X-axis servo motor (n.m)		8	/
Y-axis servo motor rated torque (n.m)		2.7	3.5
Z-axis servo motor rated torque (n.m)		8	/
Rated torque of A-axis servo motor (n.m)		8	11
CNC systems		Bosch Rexroth	FANUC
Spindle motors, servo motors		Bosch Rexroth	FANUC
Machine tool machining accuracy		Class 6 accuracy GB/T10095-2001 (Straight cylindrical gears and helical gears with m≤1.5mm)	Class 6 accuracy GB/T10095-2001 (Straight cylindrical gears and helical gears with m≤1.5mm)
Main machine weight (kg)		5000	5000
Machine dimensions (L*W*H)mm		2400*2000*2450	2400*2000*2450

OPTIONAL ACCESSORIES

① Feeder

② Chip cleaner

③ High pressure cooling system

④ Oil mist collector

PARTNERS

Multiple fields

Dedicated to providing first-class service

Products are widely used in machinery, electronics, hydraulic, pneumatic, mold and other industries, with a strong supporting supply capacity. Products are exported to Russia, Turkey, Norway, Spain, Brazil, Thailand, Libya and other countries, in the domestic and foreign markets enjoy high reputation.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