



Inventory number: 21777

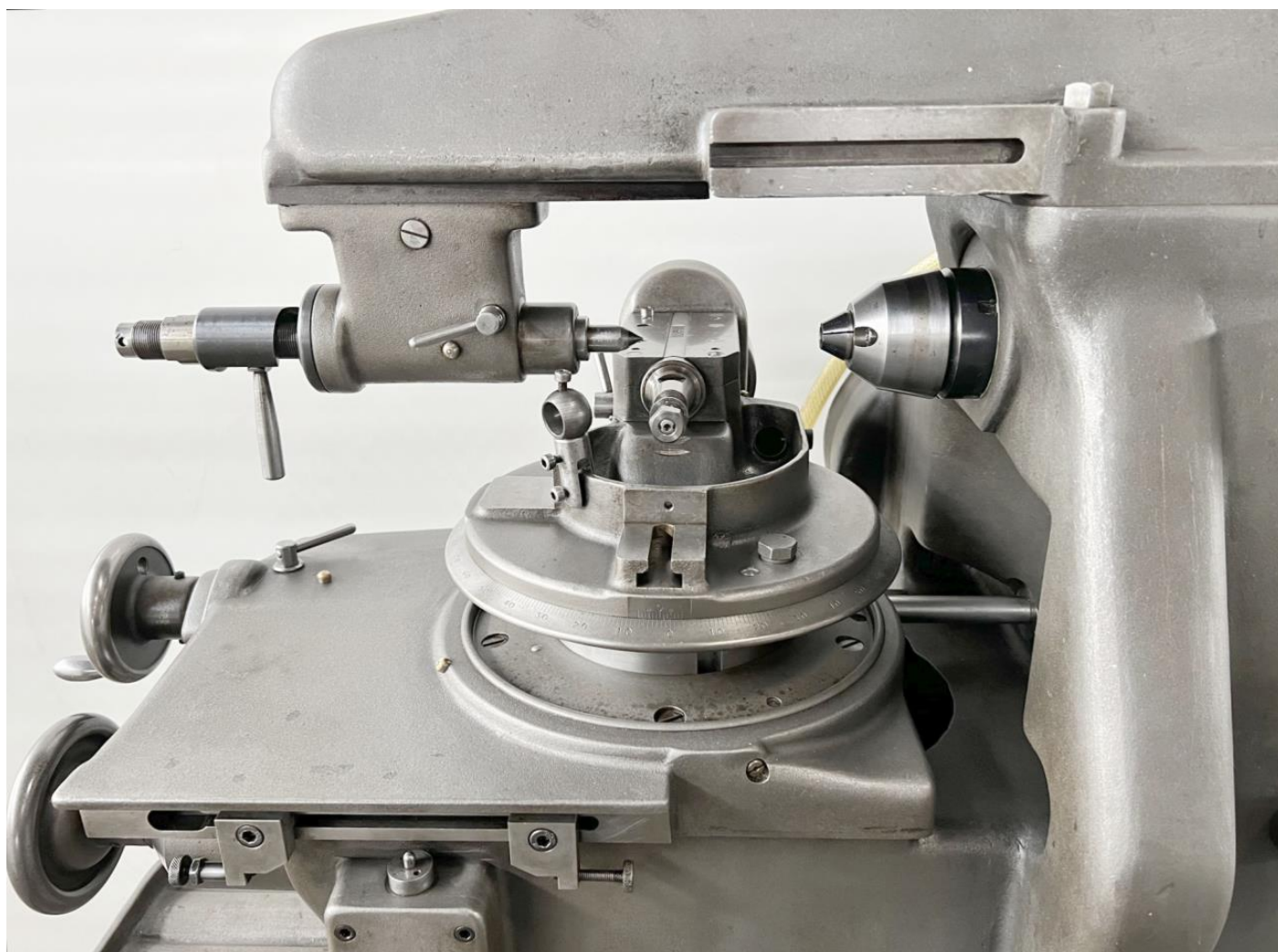
Universal gear hobbing machine
MIKRON 102.05



Technical data

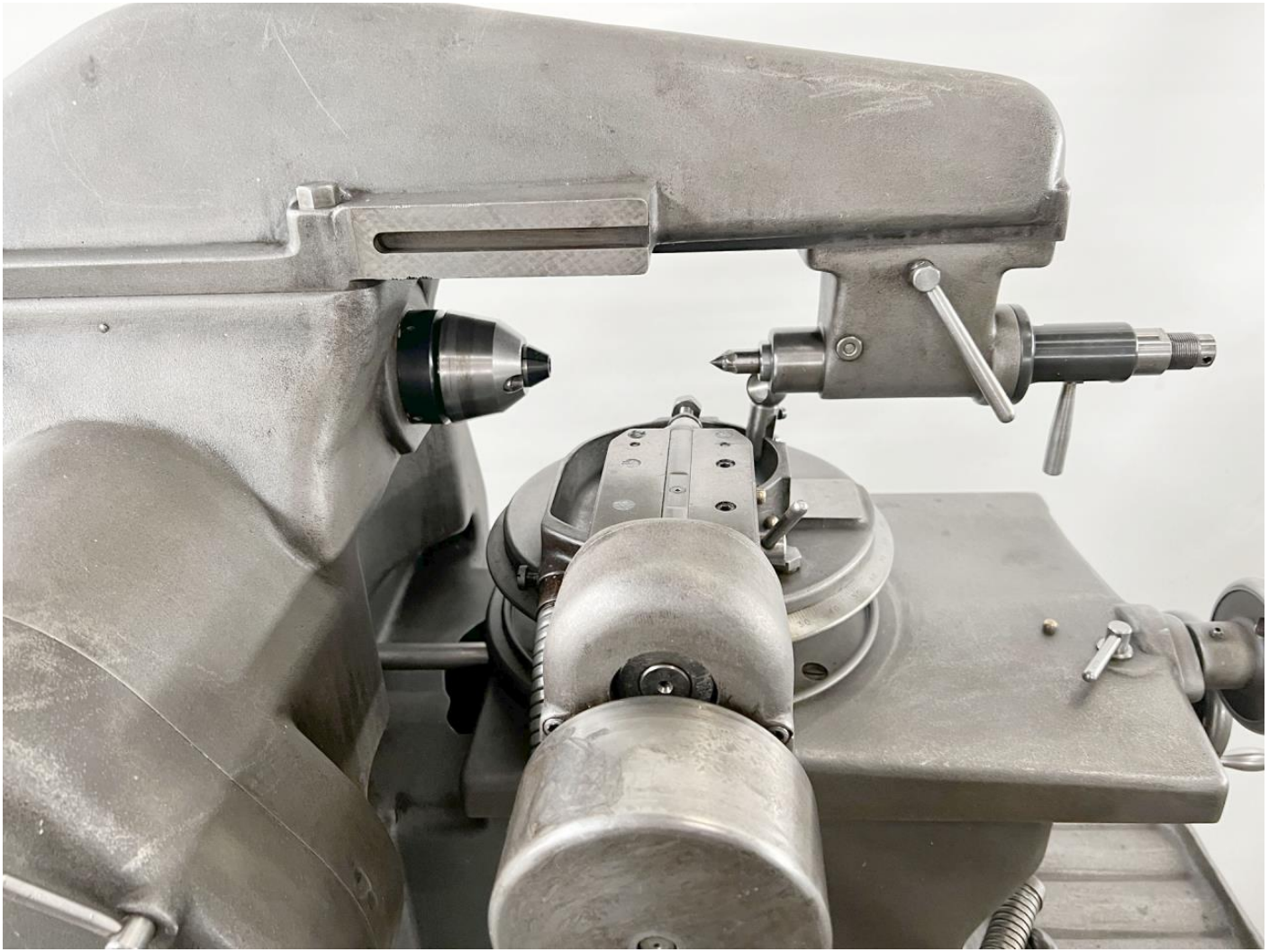
Work capacity: max. diameter	120 mm
Collet attachment	20 W
Max. module	2
Workpiece length max.	130 mm
Pitch min.	2
max.	400
Spiral lead:	
from	2 mm
up to	5000 mm
Spiral lead angle:	
from	0 °
up to	90 °
Milling cutter speeds:	
number (steps)	14
from	140 rpm
up to	1870 rpm
Feeds:	
from	0.05 mm/r
up to	0.6 mm/r

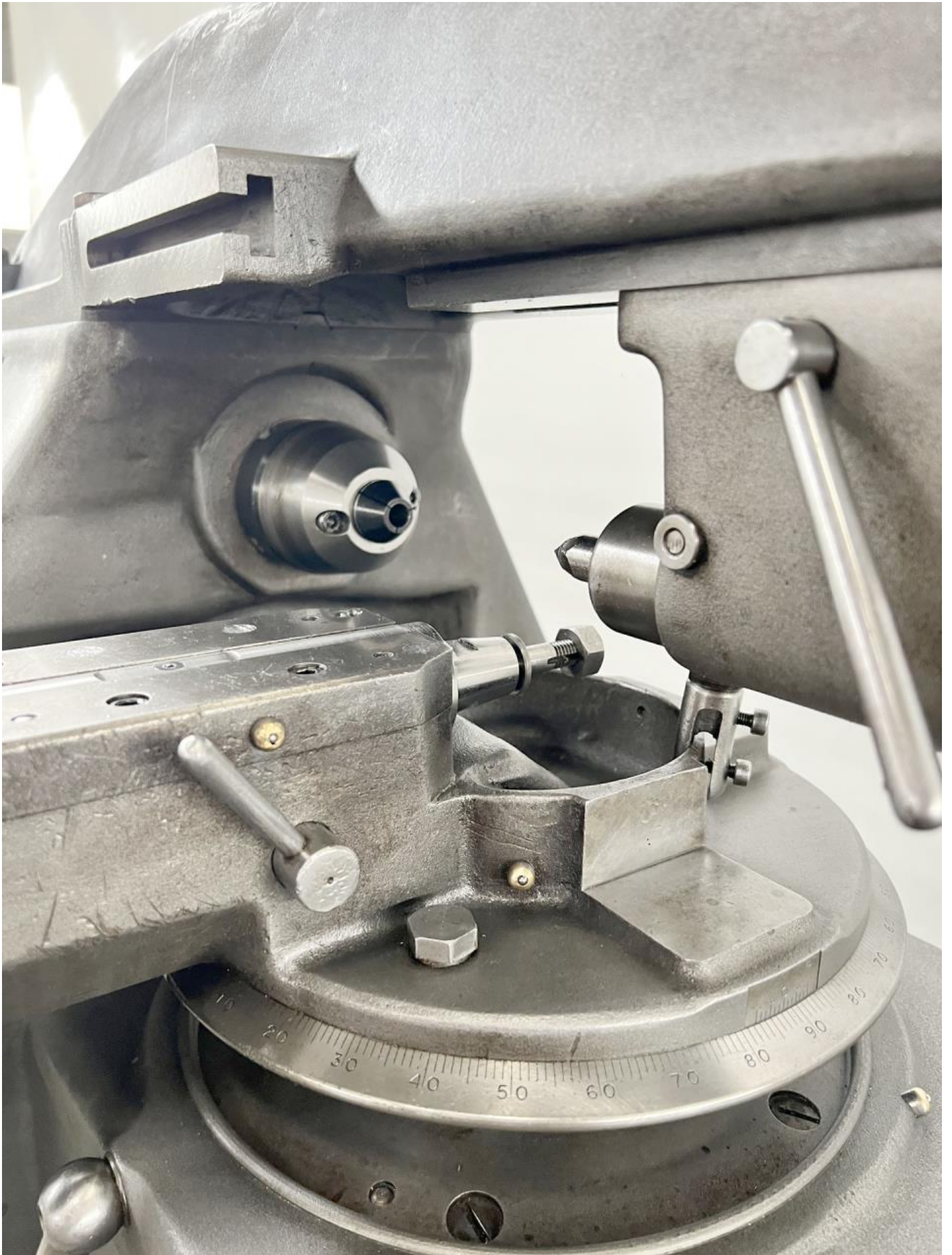
Voltage	50 Hz 3x	380 Volt
Power		0.75 kW
Total power required		0.85 kW
Machine's weight about		800 kg
Overall dimensions machine:		
Length		1200 mm
Width		700 mm
Height		1600 mm
Various accessories:		
Worm wheel milling device		



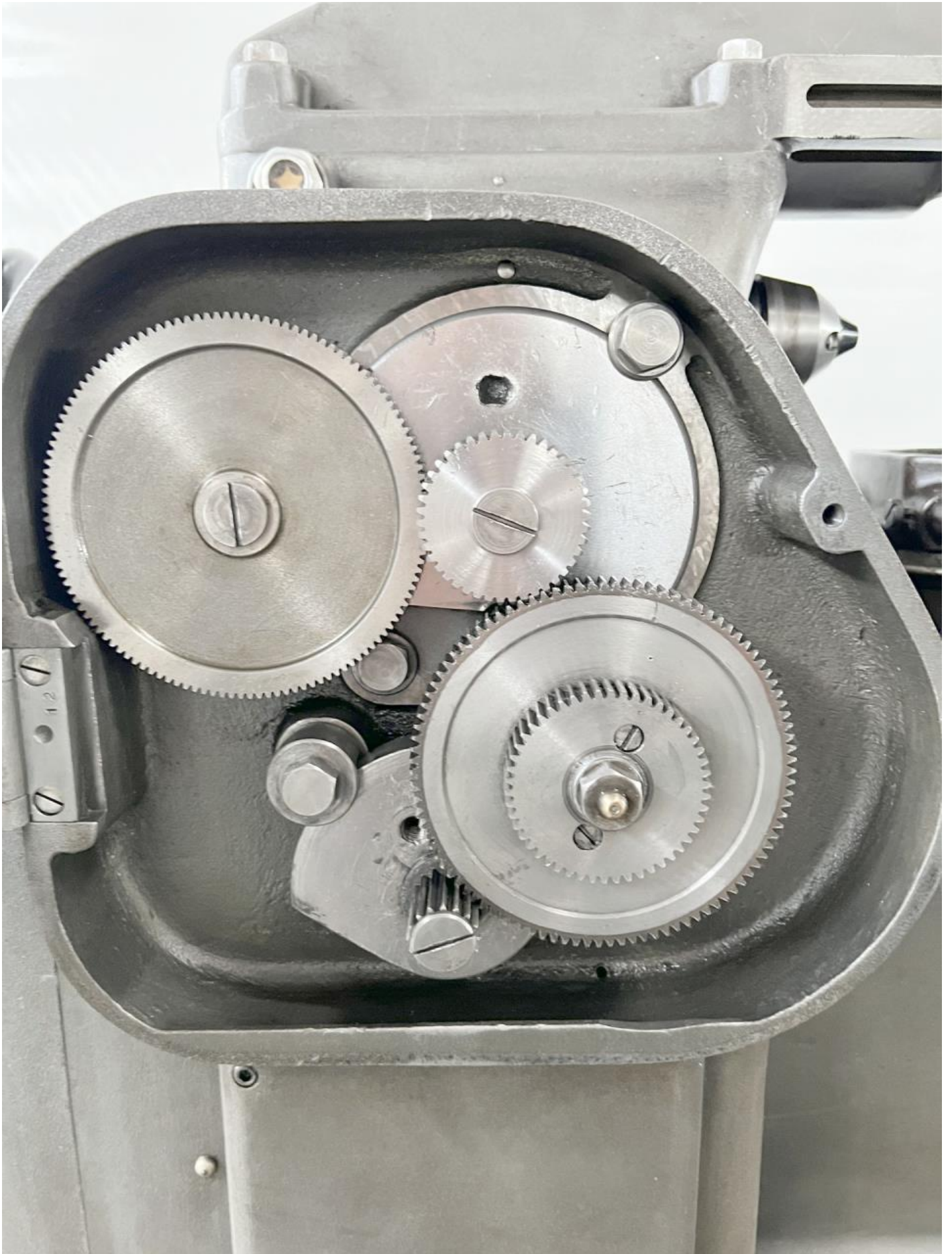
















\angle d'hélice -- Spiral \angle -- Helix \angle

Module	DP	\emptyset Fraise -- Fräser \emptyset -- Hob \emptyset			
		40 mm 1 9/16"	32 mm 1 1/4"	24 mm 15/16"	18 mm 11/16"
0.1	250	8'	10'	15'	20'
0.15	170	13'	15'	20'	25'
0.2	125	17'	20'	30'	40'
0.25	100	20'	25'	35'	50'
0.3	85	25'	35'	45'	1°
0.35	72	30'	40'	50'	1° 10'
0.4	64	35'	45'	1°	1° 20'
0.45	56	40'	50'	1° 10'	1° 30'
0.5	50	45'	55'	1° 15'	1° 40'
0.55	46	50'	1°	1° 25'	1° 50'
0.6	42	55'	1° 10'	1° 30'	2° 05'
0.65	40	1°	1° 15'	1° 40'	2° 15'
0.7	36	1° 05'	1° 20'	1° 50'	2° 30'
0.75	34	1° 10'	1° 25'	1° 55'	2° 40'
0.8	32	1° 10'	1° 30'	2° 05'	2° 50'
0.85	30	1° 15'	1° 40'	2° 15'	3°
0.9	28	1° 20'	1° 45'	2° 20'	3° 15'
0.95	27	1° 25'	1° 50'	2° 30'	3° 20'
1	25	1° 30'	1° 55'	2° 40'	
1,05	24	1° 35'	2° 05'	2° 50'	
1,1	23	1° 40'	2° 10'	3°	
1,15	22	1° 45'	2° 15'	3° 10'	
1,2	21	1° 50'	2° 20'	3° 20'	
1,25	20	1° 55'	2° 30'		
1,4	18	2° 10'	2° 50'		
1,5	17	2° 20'	3°		
1,6	16	2° 30'	3° 15'		
1,75	15	2° 45'	3° 35'		
1,8	14	2° 55'			
2	13	3° 15'			
2,1	12	3° 30'			

MIKRON S.A.
 Bienne Suisse