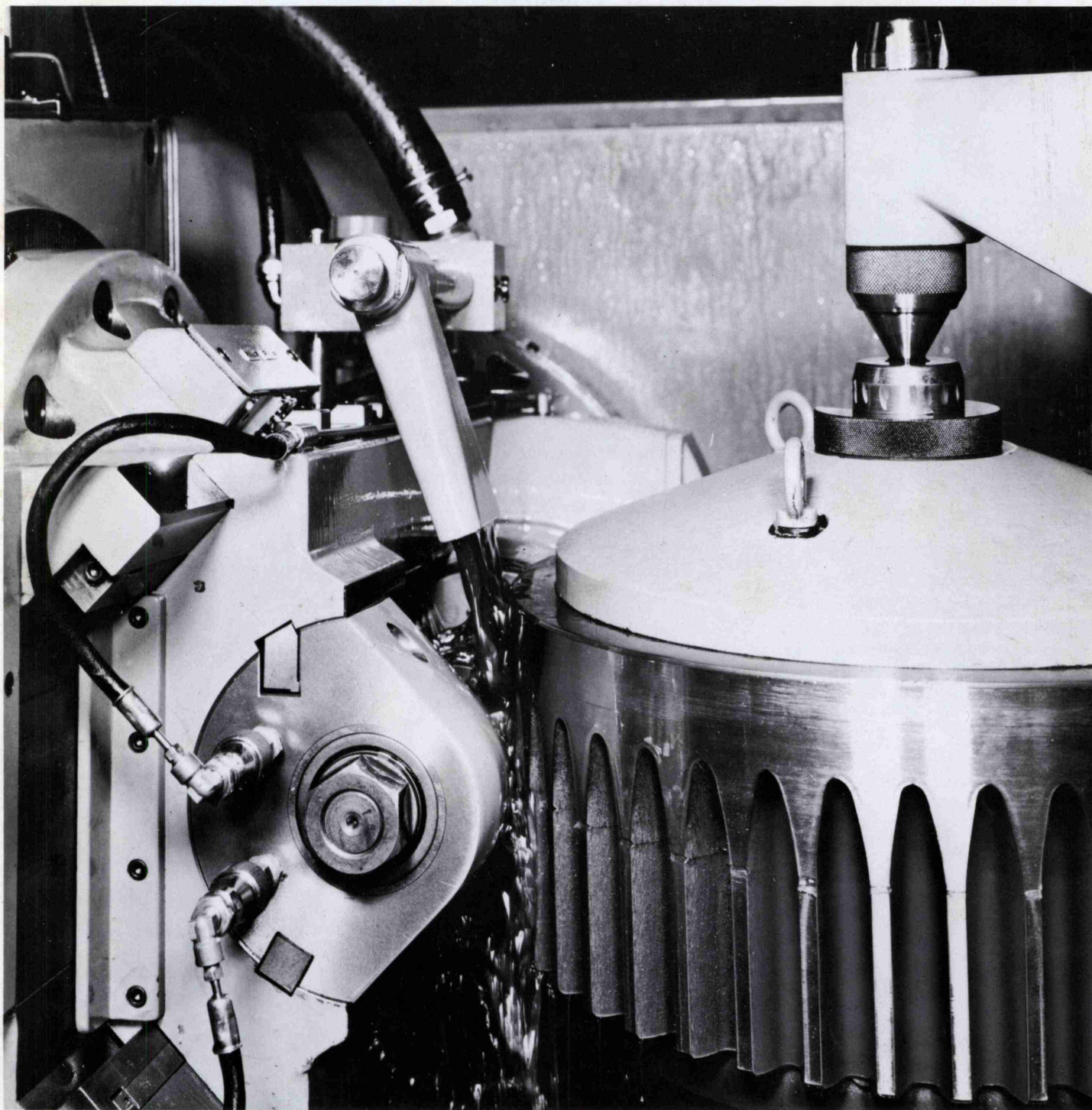


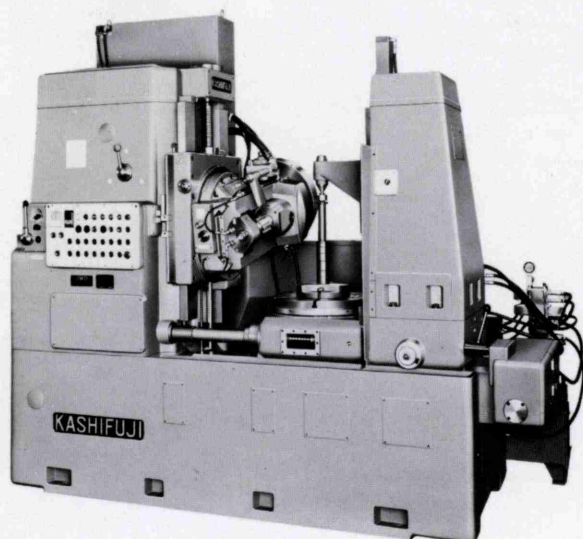
KASHIFUJI



GEAR HOBGING MACHINES
GEAR HONING MACHINES

KS 600

High Production Gear Hobbing Machine



Specifications	mm	in
Max. workpiece diameter	600	23 ⁵ / ₈
Max. pitch	Module 8	D.P. 3
Max. axial feed travel	400	15 ³ / ₄
Center distance: Hob to workpiece	60—450	2 ³ / ₈ —17 ³ / ₄
Max. hob size: Diameter	180	7
Length	200	7 ⁷ / ₈
Hob speeds (9 steps)	40—250 rpm	
Main motor	4/8P 7.5 kW	
Floor space	2810×1400	110 ¹ / ₈ ×55 ¹ / ₈
Weight, approx.	8000 kgf	17600 lbs

Standard equipment

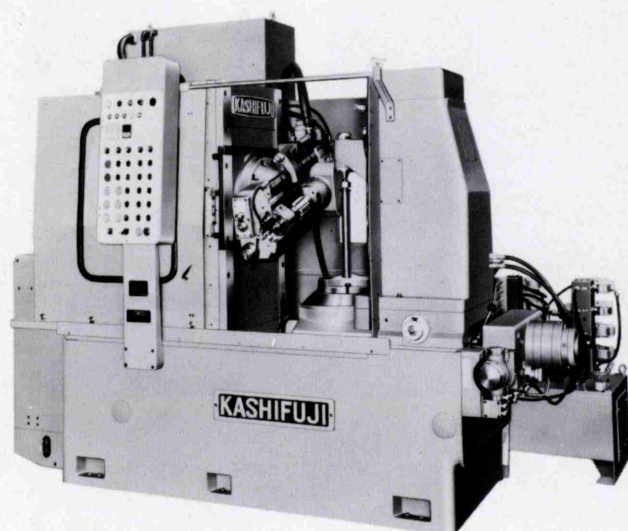
Automatic hob shifting device, Automatic 2-cut cycle

Special equipment

Automatic radial cycle, Automatic radial tangential hobbing equipment, Electric-copy hobbing equipment, Goose neck type hob head, Extended center support, Automatic loading and unloading equipment.

KS 300

High Production Gear Hobbing Machine



Specifications	mm	in
Max. workpiece diameter	300	12
Max. pitch	Module 6	D.P. 4
Max. axial feed travel	250	9 ⁷ / ₈
Center distance: Hob to workpiece	30—290	1 ¹ / ₄ —11 ³ / ₈
Max. hob size: Diameter	150	5 ⁷ / ₈
Length	180	7 ¹ / ₈
Hob speeds: (7 steps)	100—400 rpm	
Main motor	11 kW	
Floor space	2770×1750 mm	109×68 ³ / ₈
Weight, approx.	7500 kgf	16780 lbs

Standard equipment

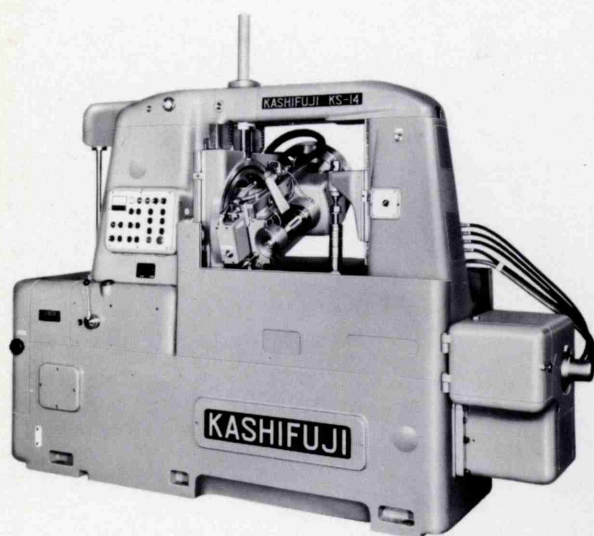
Automatic hob shifting device, Automatic 1-cut cycle,

Special equipment

Radial cutting device, Automatic 2-cut cycle, Automatic radial cycle, Automatic jump feed cycle, Hydraulic-copy hobbing equipment, Automatic loading and unloading equipment.

KS 14

High Production Gear Hobbing Machine



Specifications	mm	in
Max. workpiece diameter	360	14
Max. pitch	Module 6	D.P. 4
Max. axial feed travel	300	11 ³ / ₄
Center distance: Hob to workpiece	0—270	0—10 ¹ / ₂
Max. hob size: Diameter	150	6
Length	150	6
Max. hob shift travel	100	4
Hob speeds (9 steps)	94—435 rpm	
Main motor	7.5 kW	
Floor space	2720×1400	107×55 ¹ / ₈
Weight, approx.	5500 kgf	12100 lbs

Standard equipment

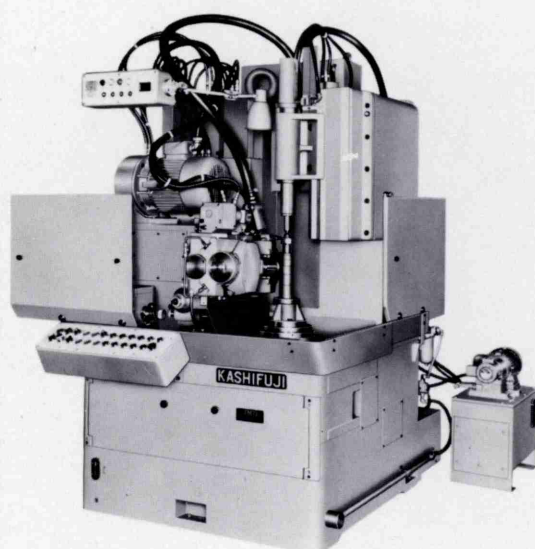
Automatic hob shifting device, Automatic 1-cut cycle

Special equipment

Automatic 2-cut cycle, Automatic radial cycle, Automatic jump feed cycle, Automatic cycle for 2-kinds of number of teeth, Crown hobbing equipment, Automatic loading and unloading equipment.

KP 150

High Production Gear Hobbing Machine



Specifications	mm	in
Max. workpiece diameter	150	6
Max. pitch	Module 4	D.P. 6
Max. axial feed travel	380	15
Center distance: Hob to workpiece	15—150	0.6—6
Max. hob size: Diameter	120	4 ³ / ₄
Length	150	6
Max. hob shift travel	100	4
Hob speeds	50Hz(10 steps) 80—500rpm 60Hz (9 steps) 96—480rpm	
Main motor	5.5 kW	
Floor space	1600×1980	63×78
Weight, approx.	5000 kgf	11000 lbs

Standard equipment

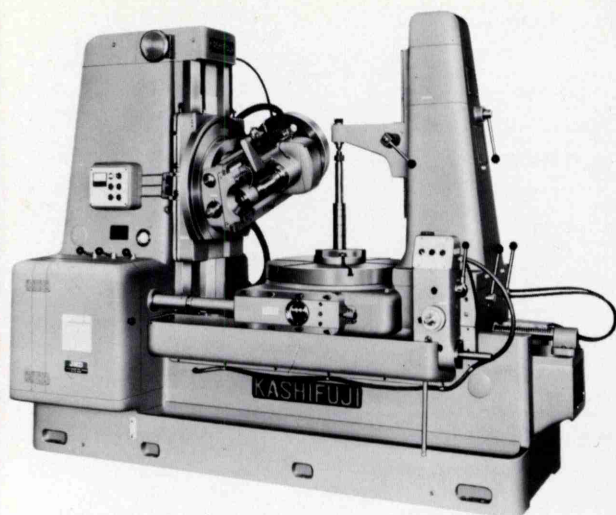
Automatic hob shifting device, Automatic 1-cut cycle,

Special equipment

Automatic 2-cut cycle, Automatic radial cycle, Automatic jump feed cycle, Hydraulic-copy hobbing equipment, Mechanical radial cutting device,

KR 1000

Universal Gear Hobbing Machine



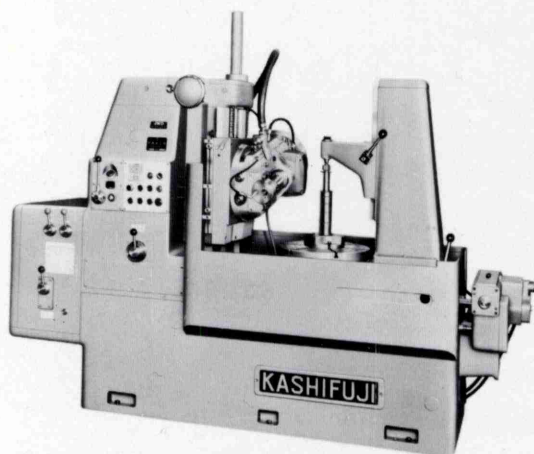
Specifications	mm	in
Max. workpiece diameter		
with support	700	27 1/2
without support	1000	40
Max. pitch	Module 10	D.P. 2 1/2
Max. axial feed travel	450	17 3/4
Center distance: Hob to workpiece	60—610	2 3/8—24
Max. hob size: Diameter	160	6 1/4
Length	180	7
Max. hob shift travel	100	4
Hob speeds (8 steps)	40—160 rpm	
Main motor	5.5 kW	
Floor space	2600×1390	102 3/8×54 3/4
Weight, approx.	6000 kgf	13200 lbs

Special equipment

Tangential hobbing equipment, Hydraulic-copy hobbing equipment,

KR 601

Universal Gear Hobbing Machine



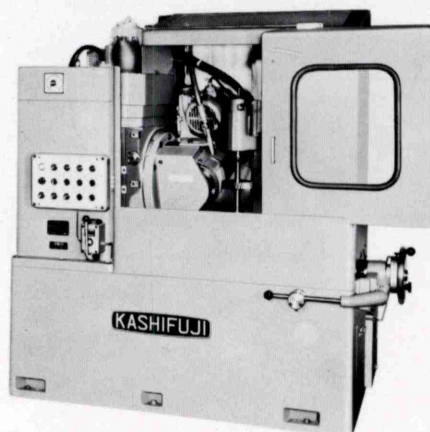
Specifications	mm	in
Max. workpiece diameter		
with support	450	17 3/4
without support	600	23 5/8
Max. pitch	Module 5	D.P. 5
Max. axial feed travel	300	11 3/4
Center distance: Hob to workpiece	25—365	1—14 3/8
Max. hob size: Diameter	125	5
Length	130	5 1/8
Max. hob shift travel	80	3 1/8
Hob speeds (8 steps)	70—255 rpm	
Main motor	3.7 kW	
Floor space	2425×1070	95 1/2×42 1/8
Weight, approx.	3500 kgf	7710 lbs

Special equipment

Tangential hobbing equipment, Hydraulic-copy hobbing equipment,

KGH 300

Gear Honing Machine



Specifications	mm	in
Max. workpiece diameter		
with support	300	12
without support	500	20
Max. pitch	Module 5	D.P. 5
Max. axial feed travel	250	9 7/8
Center distance		
Hone to workpiece	95—380	3 3/4—15
Max.hone size		
Diameter	260	10 1/4
Length	100	4
Max. hone shift travel	80	3 1/8
Hone speed	750 rpm	
Main motor	0.75 kW	
Floor space	1755×980	7 8/8×38 1/2
Weight, approx.	2300 kgf	5060 lbs

Standard equipment

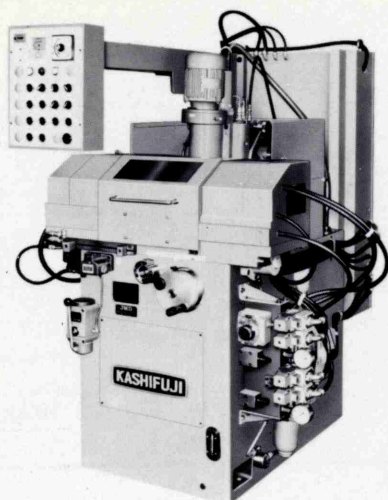
Automatic hone shifting device, Automatic honing cycle,

Special equipment

Small hone head, Braking device for small-sized gear,

KGH 150

Gear Honing Machine



Specifications	mm	in
Max. workpiece diameter	150	5 ⁷ / ₈
Max. Pitch	Module 3	D.P. 8
Max. axial feed travel	200	7 ⁷ / ₈
Center distance: Hone to workpiece	0—180	0—7 ¹ / ₈
Max. hone size: Diameter	160	6 ¹ / ₄
Length	90	3 ¹ / ₂
Max. hone shift travel	80	3 ¹ / ₈
Hone speed	50 Hz...1500 rpm 60 Hz...1800 rpm	
Main motor	0.4 kW	
Floor space	1180×1475	46 ¹ / ₂ ×58
Weight, approx.	1250 kgf	2750 lbs

Standard equipment

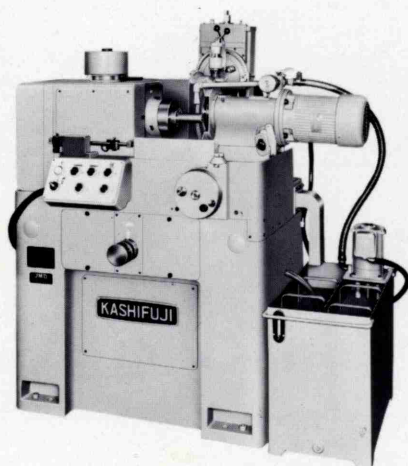
Automatic hone shifting device, Automatic honing cycle, Hydraulically tilting sub table,

Special equipment

Automatic meshing device, Extended sub table, Special hone arbor, Automatic loading and unloading equipment,

KHS 300

Hone Sharpening Machine



Specifications	mm	in
Max. workpiece diameter	300	12
Max. pitch	Module 12	D.P. 2
Max. axial feed travel	200	7 ⁷ / ₈
Center distance: Wheel to workpiece	130—280	5 ¹ / ₈ —11
Max. wheel size: Diameter	250	9 ⁷ / ₈
Width	25	1
Wheel spindle speed	50 Hz...1500 rpm 60 Hz...1800 rpm	
Wheel spindle drive motor	1.5 kW	
Floor space	1415×910	55 ³ / ₄ ×35 ⁷ / ₈
Weight, approx.	1000 kgf	2200 lbs

Standard equipment

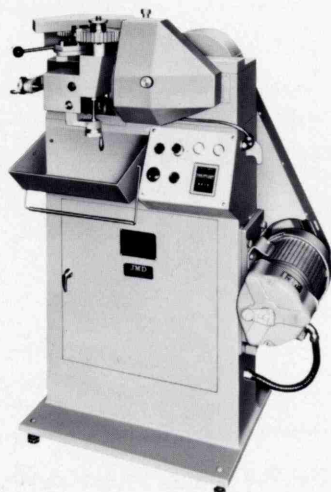
Wheel dressing device, Pitch correcting device, Multiple-start dividing equipment.

Special equipment

Grinding wheel, Diamond wheel, Manual grooved-pitch dividing equipment.

KD 1

Gear Deburring/Chamfering Machine



Specifications	mm	in
Workpiece diameter	50—200	2—7.9
Pitch	m 1.5—5	D.P. 5—17
Cutting speed	300 teeth/min (60Hz) 250 teeth/min (50Hz)	
Main motor	1.5 kW	
Floor space	450×600	17.7×23.6
Weight, approx.	300 kgf	661 lbs

KASHIFUJI MANUFACTURING PROGRAM

■ Gear Hobbing Machine

		High Production Type				Universal Type	
		KP 150	KS 300	KS 14	KS 600	KR 601	KR 1000
Max. workpiece diameter: with support	mm	150	300	360	600	450	700
without support	mm	—	—	—	—	600	1,000
Max. pitch	Module	4	6	6	8	5	10
Max. axial feed travel	mm	380	250	300	400	300	450
Center distance: Hob to workpiece	mm	15~150	30~290	0~270	60~450	25~365	60~610
Max. hob size: Diameter×Length	mm	120×150	150×180	150×150	180×200	125×130	160×180
Max. hob shift travel	mm	100	130	100	140	80	100
Table top diameter	mm	230	300	360	530	450	700
Table bore diameter	mm	70	82	70	120	82	100
Hob speeds	rpm	80~500 (50Hz) 96~480 (60Hz)	100~400	94~435	40~250	70~255	40~160
Axial feed	mm/rev	0.4~6.0	0.66~6	0.25~5	0.4~10	0.33~4.5	0.39~5.85
Radial feed	mm/rev	(1~60mm/min)	0.2~2	0.15~1.25	0.125~2	0.11~1.5	0.1~1.45
Main motor	kW	5.5	11	7.5	7.5	3.7	5.5
Total power	kVA	11	18	14	20	7	7.5
Floor space	mm	1600×1980	2750×1750	2720×1400	2810×1400	2425×1070	2600×1390
Weight, approx.	kgf	5000	7500	5500	8000	3500	6000

■ Gear Honing Machine

		KGH 150	KGH 300
Max. workpiece diameter: with support	mm	150	300
without support	mm	—	500
Max. pitch	Module	3	6
Max. axial feed travel	mm	200	250
Center distance: Hone to workpiece			
Standard hone head	mm	0~180	95~380
Small hone head (special)	mm	—	25~290
Max. hone size: Dia.×Width	mm	160×90	260×100
Max. hone shift travel	mm	80	80
Main motor	kW	0.4	0.75
Total power	kVA	2.5	2.2
Floor space	mm	1100×1475	1775×980
Weight, approx.	kgf	1250	2300

■ Hone Sharpening Machine

Sharpen the hones used on above Gear Honing Machines

■ Gear Deburring/Chamfering Machine



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