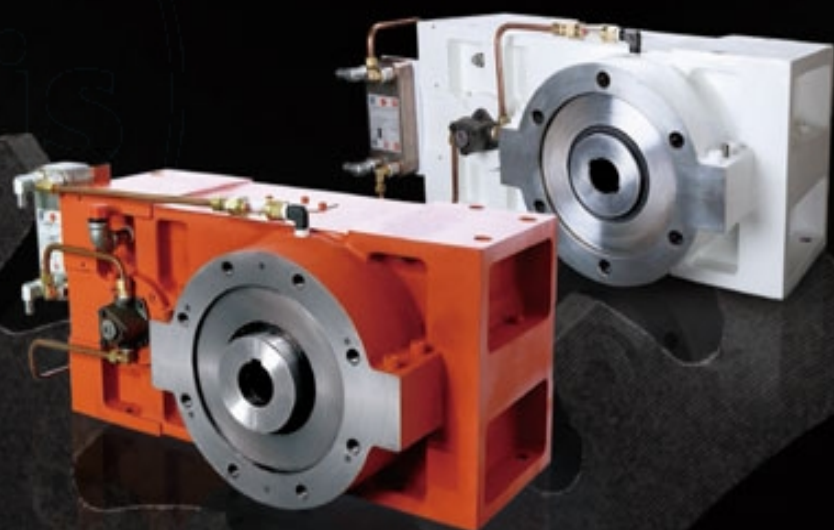




遠東齒輪
FAR EAST
GEAR

精密齒輪 | 齒輪箱 Precision Gear | Gearbox



關於遠東 精密齒輪 | 齒輪箱

FAR EAST GEAR Precision Gear | Gearbox

1977年迄今，遠東在齒輪研磨及押出機齒輪箱累積有豐富經驗及技術底蘊。以陳慶和先生為首的研發團隊致力於高精度的齒輪及押出機齒輪箱的開發製造，供應橡膠機械及其他工具機廠最可靠的核心元件。

Since 1977, Far East has accumulated abundant experience and technical knowledge in the production and R&D of gears and extruder gearboxes. The R&D team headed by Mr. Qing-he Chen is dedicated to the development and manufacture of high-precision gears and extruder gearboxes to provide the most dependable core parts for rubber plastic machinery and other types of tooling machinery.



我們落實 「品質零缺點政策」及「客戶滿意服務」

我們落實品質零缺點政策，團隊工程師熟稔機械原理及材料特色，依客戶需求排定最佳製程，運用廠內CNC蝸桿砂輪磨齒機、大型滾齒機、中小型滾齒機、立式銑床、鍵槽機等加工設備及CNC全自動齒輪測試機等檢驗設備控管品質，產品精度一次到位，提供客戶滿意服務。

WE PUT INTO PRACTICE - “zero quality defect policies and services, providing clients with satisfaction”

We implement zero quality defect policies. Our engineers have years of experience working with machinery principles and material characteristics, making us able to create the best manufacturing process based on the needs of our clients. By using processing equipment like CNC spiral bevel gear grinding machines, grinding machines of various sizes, vertical milling machines, keyway machines, CNC automated gear testing machines and other inspection equipment to control quality, we can provide product precision in one go and services that meet our clients' satisfaction.



「低噪音、低背隙、高扭力」

的齒輪研磨及齒輪箱是我們給客戶最直接的承諾

“LOW NOISE, LOW BACKLASH, AND HIGH TORQUE”

gear products are the most direct promises we give to our clients.



堅持品質是遠東一直以來的經營之道，我們相信唯有品質才能創造價值。

每件成品，齒輪材質為SNCM21經正常化後再行加工、箱體採用球墨鑄鐵並應力消除、出力軸及入力軸鍍硬鉻處理，並配置強制潤滑及過濾系統，另可依需求搭配SKF及NACHI軸承。從原材質開始、齒輪成型、研磨、組裝、到成品的檢驗，遠東嚴格把關每一道工序，將每個環節都視為藝術品般雕琢，確保客戶每一次的使用滿意度。

A focus on quality standards is the way of doing business at the Far East Gear Factory. We believe that high quality creates value for our customers.

For each finished product, the gear material uses SNCM21 steel after normalization and processing, the gear box body uses ductile cast iron to relieve stress on the product. The input and output shafts are hard chrome plated and the forced lubrication and filtration systems are configured for improved processing, and SKF can be matched with the user demands. Bearings from NACHI are also used for greater efficiency. Starting from the original materials, we take it from the basics to perform everything from gear forming, grinding, assembly, through to the inspection of the finished product, Far East strictly controls each process, and treats each link as a piece of artwork, giving customer satisfaction, every time.

我們堅守

以「突破創新」貫徹「不求大，只求高」的使命

一路走來，遠東專注追求齒輪研磨及精度的最高技術、最高品質，「突破創新」是我們唯一目標，開發符合、甚至超越期待的新產品是遠東屹立市場的優勢，如何能夠給客戶更多的選擇，就是遠東鑽研突破之處，並依此貫徹「不求大，只求高」的使命。

WE UPHOLD -

using “breakthrough innovations” to fulfill our goal of “not aiming to be larger, but aiming to be at the top”

Along the way, Far East has always been striving for the highest technical quality for gear grinding and precision. “Breakthrough innovations” has been our only goal. Developing products that meet or even surpass expectations is our unique strength that gives us competitiveness in the market. Working on how to provide clients with more choices is the breakthrough that we strive for, and thus target our ultimate goal of “not aiming to be larger, but aiming to be at the top”.

我們承諾

「你」的競爭力，「我」的原動力

懷抱著「為客戶創造競爭力」的明確信念，我們以近乎苛求的品質標準、不斷突破的技術及需求整合服務扎根於此。

WE PROMISE -

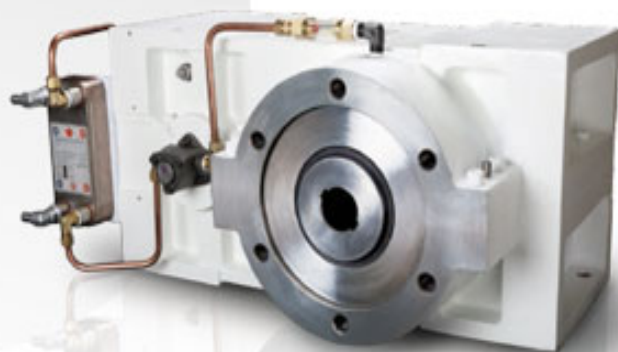
“your” competitiveness is “our” motivation

Our workforce is geared to create a competitive edge for our clients, we use the most stringent of quality control standards, providing constant technical breakthroughs and a comprehensive service to entrench ourselves in the industry. “Low noise, high torque, and high quality” gear products is the promise we bring to our clients.

GEARBOX 齒輪箱

- ▶ 箱體採用球墨鑄鐵並應力消除
- ▶ 齒輪材質採用SNCM21經正常化後再行加工
- ▶ 出力軸及入力軸鍍硬鉻處理
- ▶ 配置強制潤滑及過濾系統
- ▶ 依客戶需求搭配SKF及NACHI軸承

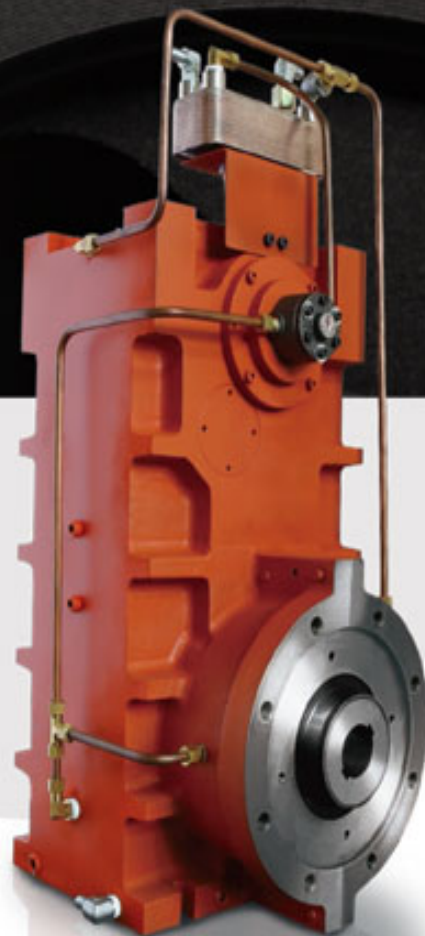
- ▶ Box body use the modular cast iron to eliminate the stress.
- ▶ Gear material uses SNCM21.
- ▶ The output shaft and input bore are made from the hardened chromium for improved processing.
- ▶ Disposition lubrication and filter system.
- ▶ SKF and NACHI bearings available depending on customer demands



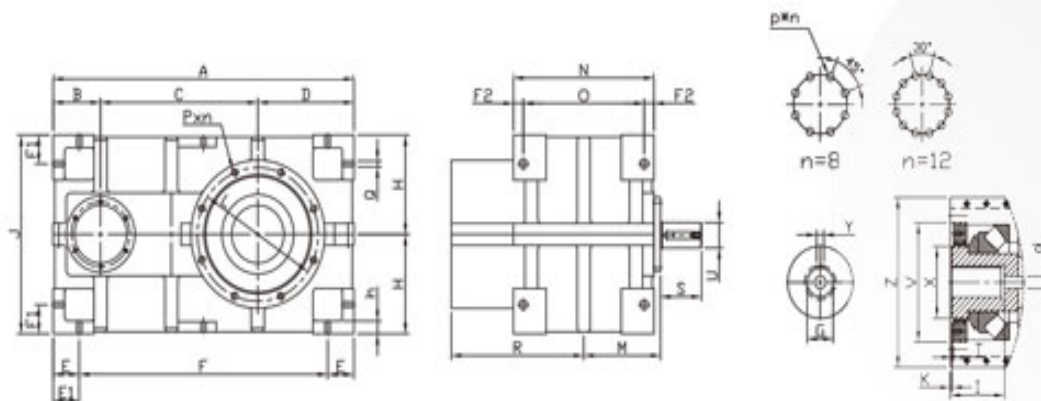
3軸單螺桿押出機齒輪箱
3-axis single screw extruder gearbox



3軸單螺桿押出機齒輪箱 (立式)
3-axis single screw extruder gearbox (vertical)



4軸單螺桿押出機齒輪箱 (立式)
4-axis single screw extruder gearbox (vertical)



TYPE	A	B	C	D	d	E	E1	F	F1	F2	G	H	h	I	J	K	L	M	N	n
FE-125	455	90	225	140	24	50	60	345	45	17	38	125	17	100	250	8	205	114	214	8
FE-140	512	100	252	160	27	56	66	390	48	18	42	140	18	110	280	8	230	125	236	8
FE-160	577	112	285	180	29	63	75	439	50	20.5	50	160	21	130	320	17	260	142	266	8
FE-180	645	125	320	200	34	70	83	492	60	23	60	180	25	140	360	17	300	158	296	8
FE-200	725	140	360	225	44	80	95	550	70	25	70	200	31	150	400	18	330	176	330	8
FE-225	795	140	405	250	55	90	90	615	80	22.5	80	225	36	160	450	18	350	192	360	12
FE-250	890	160	450	280	55	100	-	345	90	26	90	250	40	170	500	20	400	216	407	12
FE-280	1000	180	505	315	60	112	-	388	100	30	100	280	48	190	560	20	450	242	460	12
FE-320	1125	200	570	355	60	125	-	437.5	112	35	110	315	54	200	630	20	500	273	520	12
FE-360	1265	225	640	400	80	140	-	492.5	125	40	125	355	55	210	710	24	600	302	580	12

TYPE	n1	O	P	Q	R	S	T	U	V	X	Y	Z	thrust bearing	NOTE
FE-125	6	180	M12	16	205	63	5	28	180	80	10	230	29415E	NACHI/KOYO/SKF/FAG
FE-140	6	200	M12	18	230	70	5	32	200	90	12	260	29417E	NACHI/KOYO/SKF/FAG
FE-160	6	225	M16	20	260	80	6	35	230	110	14	300	29420E	NACHI/KOYO/SKF/FAG
FE-180	6	250	M20	22	290	90	6	40	260	140	18	350	29424E	NACHI/KOYO/SKF/FAG
FE-200	6	280	M20	24	320	100	6	45	290	160	20	380	29428E	NACHI/KOYO/SKF/FAG
FE-225	6	315	M20	27	355	112	6	50	310	170	22	400	29430E	NACHI/KOYO/SKF/FAG
FE-250	6	355	M24	30	405	125	8	55	365	190	25	450	29434E	NACHI/KOYO/SKF/FAG
FE-280	8	400	M24	33	445	140	8	60	400	200	28	520	29436E	NACHI/KOYO/SKF/FAG
FE-320	8	450	M24	36	490	160	8	70	450	210	28	600	29440E	NACHI/KOYO/SKF/FAG
FE-360	8	500	M30	39	560	180	10	80	520	280	32	680	29452E	NACHI/KOYO/SKF/FAG

核心工藝

CORE PROCESS

齒輪加工精度達DIN4級和JISO級，除了依據AGMA標準設計之外，更透過電腦軟體分析模擬齒輪受力分佈情形，達到產品最佳化。

All products have a machining accuracy of DIN4 and JISO standards. In addition to standard AGMA designs, computer software is also used to analyze and simulate the gear's stress distribution to optimize our products.

產品種類

OUR PRODUCTS

精密齒輪、蝸線傘齒輪、螺旋齒輪、平面齒輪、齒輪箱等。

Precision gears, spiral bevel gears, gearboxes, helical gear, face gears and customized gears.

應用領域

APPLICATION

適用於塑膠、印刷、造紙等行業，並可合作開發以符合各行業工具機使用。

Suitable for many industries including: plastic, printing and paper processing. We are also able to develop machine tools for all industries by cooperation.

FE GEARBOX 馬力及額定扭矩表

型號	Type		FE-125 (U/D/L/R)			FE-140 (U/D/L/R)			FE-160 (U/D/L/R)			FE-180 (U/D/L/R)			FE-200 (U/D/L/R)		
減速比(i)	n1 rpm	n2 rpm	MN Nm	PN KW	Pt KW	MN Nm	PN KW	Pt KW	MN Nm	PN KW	Pt KW	MN Nm	PN KW	Pt KW	MN Nm	PN KW	Pt KW
6.3	2000	317	2330	81	27	3250	111	34	4600	155	45	6380	216	58	8910	311	73
	1450	230	2380	60	27	3310	82	34	4710	115	45	6510	160	58	9090	230	73
	1000	159	2380	41.4	27	3320	56.6	34	4710	79.3	45	6490	110	58	9090	158.6	73
	700	111	2380	29	27	3320	39.6	34	4710	55.5	45	6510	77.2	58	9090	111	73
8	2000	250	2930	81	27	4100	111	34	5830	155	45	8020	216	58	11200	311	73
	1450	181	2990	60	27	4180	82	34	5860	115	45	8190	160	58	11420	230	73
	1000	125	2990	41.4	27	4180	56.6	34	5860	79.3	45	8170	110	58	11420	158.6	73
	700	87	3000	29	27	4180	39.6	34	5860	55.5	45	8190	77.2	58	11420	111	73
10	2000	200	3140	65	27	4540	100	34	6320	136	45	9160	197	58	12210	253	73
	1450	145	3200	48	27	4620	73.7	34	6480	101	45	9360	146	58	12450	187	73
	1000	100	3200	33.4	27	4610	50.8	34	6480	69.7	45	9370	100.7	58	12450	129	73
	700	70	3200	23.2	27	4620	35.6	34	6480	48.8	45	9370	70.5	58	12450	90.3	73
12.5	2000	160	3210	56	27	4540	78	34	6460	108	45	9270	153	58	12250	205	73
	1450	116	3290	41.6	27	4650	58	34	6600	80	45	9450	113	58	12530	152	73
	1000	80	3290	28.7	27	4650	40	34	6600	55.2	45	9440	77.9	58	12530	104.8	73
	700	56	3290	20.1	27	4650	28	34	6590	38.6	45	9450	54.6	58	12530	73.4	73
16	2000	125	3150	42	27	4320	56	34	6150	90	45	8710	112	58	12460	166	73
	1450	91	3240	31.4	27	4430	41.6	34	6630	66.4	45	8870	82.7	58	12690	122.6	73
	1000	62	3250	21.7	27	4430	28.7	34	6630	45.8	45	8860	57	58	12700	84.6	73
	700	44	3250	15.2	27	4430	20.1	34	6630	32.1	45	8860	39.9	58	12700	59.2	73
20	2000	100	3100	34	27	4460	49	34	6390	69	45	9020	97	58	12210	129	73
	1450	72	3180	25.3	27	4520	36	34	6490	50.8	45	9190	71.7	58	12480	95.6	73
	1000	50	3180	17.4	27	4510	24.8	34	6490	35	45	9180	49.4	58	12470	65.9	73
	700	35	3180	12.2	27	4520	17.4	34	6490	24.5	45	9190	34.6	58	12490	46.2	73
25	2000	80	2890	24	27	4120	35	34	5750	47	45	8110	70	58	11530	102	73
	1450	58	2890	17.4	27	4170	25.7	34	5900	35	45	8260	51.7	58	11750	75.3	73
	1000	40	2890	12	27	4170	17.7	34	5890	24.1	45	8270	35.7	58	11740	51.9	73
	700	28	2890	8.4	27	4170	12.4	34	5900	16.9	45	8280	25	58	11760	36.4	73

i: 減速比 / n1: 輸入端轉速 / n2: 輸出端轉速 / MN: 額定輸出扭矩 / PN: 額定馬力 / Pt: 熱功率

型號	Type		FE-225 (U/D/L/R)			FE-250 (U/D/L/R)			FE-280 (U/D/L/R)			FE-320 (U/D/L/R)			FE-360 (U/D/L/R)		
減速比(i)	n1 rpm	n2 rpm	MN Nm	PN KW	Pt KW	MN Nm	PN KW	Pt KW	MN Nm	PN KW	Pt KW	MN Nm	PN KW	Pt KW	MN Nm	PN KW	Pt KW
6.3	2000	317	13120	432	90	17100	595	112	24560	838	139	34900	1176	171	49860	1689	207
	1450	230	13410	320	90	17440	440	112	25060	620	139	35610	870	171	50890	1250	207
	1000	159	13410	220.7	90	17440	303.4	112	25060	427.6	139	35610	600	171	50890	862	207
	700	111	13410	154.5	90	17440	212.4	112	25060	299.3	139	35610	420	171	50850	603	207
8	2000	250	16320	432	90	21520	595	112	30950	838	139	44340	1176	171	62690	1689	207
	1450	181	16670	320	90	21950	440	112	31590	620	139	45240	870	171	63990	1250	207
	1000	125	16670	220.7	90	21950	303.4	112	31590	427.6	139	45240	600	171	63990	862	207
	700	87	16670	154.5	90	21950	212.4	112	31580	299.3	139	45240	420	171	63940	603	207
10	2000	200	17160	364	90	23290	482	112	34380	757	139	49250	1059	171	71200	1531	207
	1450	145	17490	269	90	23800	357	112	35080	560	139	50290	784	171	72670	1133	207
	1000	100	17490	185.5	90	23800	246.2	112	35080	386.2	139	50290	540.7	171	72670	781.4	207
	700	70	17500	129.9	90	23790	172.3	112	35080	270.3	139	50290	378.5	171	72680	547	207
12.5	2000	160	16610	282	90	23990	419	112	34720	597	139	49860	834	171	69520	1238	207
	1450	116	16980	209	90	24480	310	112	35460	442	139	50880	617	171	70950	916	207
	1000	80	16960	144	90	24480	213.8	112	35450	304.8	139	50880	425.5	171	70940	631.7	207
	700	56	16980	100.9	90	24490	149.7	112	35460	231.4	139	50890	297.9	171	70950	442.5	207
16	2000	125	17430	238	90	23820	318	112	34450	453	139	50130	693	171	69350	973	207
	1450	91	17770	176	90	24280	235	112	35140	335	139	51180	513	171	70780	720	207
	1000	62	17780	121.4	90	24290	162.1	112	35130	231	139	51190	353.8	171	70790	496.6	207
	700	44	17780	85	90	24270	113.4	112	35130	161.7	139	51190	247.7	171	70780	347.6	207
20	2000	100	17070	189	90	23270	255	112	33830	372	139	49540	519	171	69980	753	207
	1450	72	17440	140	90	23790	189	112	34490	275	139	50560	384	171	71400	557	207
	1000	50	17450	96.6	90	23780	130.3	112	34500	189.7	139	50560	264.8	171	71380	384	207
	700	35	17440	67.6	90	23780	91.2	112	34500	132.8	139	50570	185.4	171	71400	268.9	207
25	2000	80	15790	135	90	21190	176	112	30870	257	139	46720	409	171	66280	572	207
	1450	58	16090	99.7	90	21670	130.5	112	31480	190	139	47740	303	171	67610	423	207
	1000	40	16100	68.8	90	21670	90	112	31470	131	139	47750	209	171	67600	291.7	207
	700	28	16080	48.1	90	21670	63	112	31470	91.7	139	47750	146.3	171	67600	204.2	207

完美啮合的藝術家

The Perfect Fitting Artist



遠東齒輪
FAR EAST
GEAR

遠東齒輪工廠 / 遠東齒輪造機有限公司

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