

HYDRAULIC
VERTICAL
BROACHING
MACHINES



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TH TSAN HSIN
高精密度油壓立式拉床

HYDRAULIC
VERTICAL
BROACHING

MACHINES



TRUST US. 精益求精
We can make it!

公司簡介

Company Profile & History



璨鑫生產各式油壓拉床，品質優良，暢銷全球

Tsan Hsin Manufactures Exceptional Quality Hydraulic Broaching Machines Sold Around the World

從1982年成立至今已30多年歷史的璨鑫工業股份有限公司，為專業的各式油壓拉床製造廠商，品質精良並於2005年5月20日取得CE認證，還受到全球知名汽機車零件製造商指定使用。只要量產的產品都適用拉床機器設備，產業範圍非常廣泛，如汽機車零件（齒輪、鍵槽、煞車系統等）、自行車零件、輪船（螺旋槳、舵等）、電腦零件（散熱片）、運動器材（漆彈槍）及手工工具（開口板手、螺絲）等產業。且為感謝廠商的支持與愛護，本公司不斷研發更高品質、效能之拉床設計，以期提高拉床的實用性能，使之愈加卓越、完善，以因應客戶廣大需求。

多年來，我們在品質的掌控上已深受業界使用者的肯定，秉持服務熱忱，客戶至上，精益求精是公司上下同仁的一貫宗旨。

In business for over 30 years since 1982, Tsan Hsin is a dedicated manufacturer of hydraulic broaching machines. President Wen Ching Hsu added that broaching machines and equipment are used to make every kind of mass produced products. In fact, a wide range of manufacturing industries use these machines including the automotive part (gear wheels, keyway, brake systems), bicycle component, boat (propellers, rudders), computer part (heat sinks), exercise and recreational equipment (paintball guns) and hand tool (open-end wrenches, screws) fields. For thanks to many companies' support, we are absorbed in research and development more high quality and efficiency design of broaching machine in order to enhance its practical utility and make it more outstanding.

For many years, our quality control system already been identified with other companies in the same field, with the enthusiasm and devotion of service and priority of clients to strive for perfection is our consistently motto.



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Internal



內徑拉床

Broaching Machines: Internal

TH-3X600 / TH-3X800 / TH-3X1000

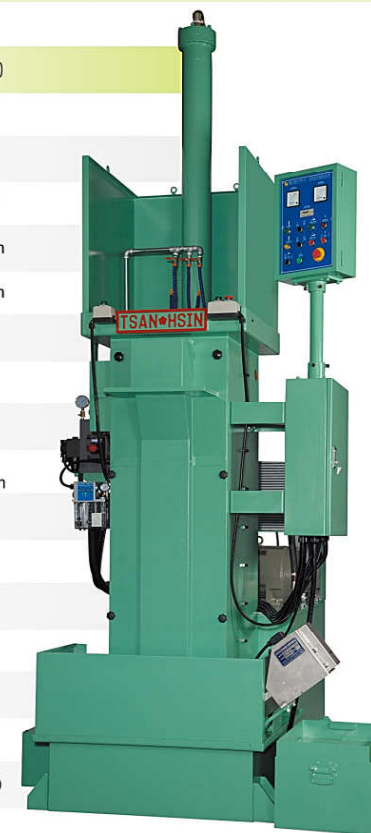
型號 TYPE	TH-3X600	TH-3X800	TH-3X1000
引拔力 Broaching Power	3tons	3tons	3tons
最大行程 Max. Stroke	600mm	800mm	1000mm
拉刀最大長度 Max. Broach Length	600mm	800mm	1000mm
切削速度 Cutting Speed	1-6m/min	1-6m/min	1-6m/min
回程速度 Return Speed	1-7m/min	1-7m/min	1-7m/min
主機馬達 Driving Motor	5H4P	5H4P	5H4P
主機幫浦 Driving Pump	50T30L	50T30L	50T30L
切削油馬達 Cutting Oil Motor	1/4H4P	1/4H4P	1/4H4P
潤滑油馬達 Lubricant Motor	自動型 Automation	自動型 Automation	自動型 Automation
油壓油量 Oil Pressure Amount	400L	400L	400L
切削油量 Cutting Oil Amount	140L	140L	140L
潤滑油量 Lubricant Amount	2L	2L	2L
最大孔徑 Max. Hole Diameter	40mm	40mm	40mm
被拉削物最大外徑 Max. Outside Diameter of Broached Object	280mm	280mm	280mm
機械最高尺寸 Highest Dimension of Machine	2100mm	2500mm	2900mm
機械面積 Area of Machine	1780*1510	1780*1510	1780*1510
機械總重量 Total Weight of Machine	1100kgs	1300kgs	1500kgs
工作檯高度 Table Height	1325mm	1525mm	1760mm

內徑拉床

Broaching Machines: Internal

TH-5X1000 / TH-7.5X1300

型號 TYPE	TH-5X1000	TH-7.5X1300
引拔力 Broaching Power	5tons	7.5tons
最大行程 Max. Stroke	1000mm	1300mm
拉刀最大長度 Max. Broach Length	1000mm	1300mm
切削速度 Cutting Speed	1-6m/min	1-6m/min
回程速度 Return Speed	1-7m/min	1-7m/min
主機馬達 Driving Motor	10H6P	15H6P
主機幫浦 Driving Pump	150T94L	150T94L
切削油馬達 Cutting Oil Motor	1/4H4P	1/4H4P
潤滑油馬達 Lubricant Motor	自動型 Automation	自動型 Automation
油壓油量 Oil Pressure Amount	630L	800L
切削油量 Cutting Oil Amount	200L	290L
潤滑油量 Lubricant Amount	4L	4L
最大孔徑 Max. Hole Diameter	80mm	100mm
被拉削物最大外徑 Max. Outside Diameter of Broached Object	380mm	460mm
機械最高尺寸 Highest Dimension of Machine	3000mm	3700mm
機械面積 Area of Machine	1980*1750	2070*1780
機械總重量 Total Weight of Machine	2300kgs	3000kgs
工作檯高度 Table Height	1830mm	2130mm



Internal

內徑拉床

Broaching Machines: Internal

TH-10X1500

型號 TYPE	TH-10X1500
引拔力 Broaching Power	10tons
最大行程 Max. Stroke	1500mm
拉刀最大長度 Max. Broach Length	1500mm
切削速度 Cutting Speed	1-10m/min
回程速度 Return Speed	1-12m/min
主機馬達 Driving Motor	20H6P
主機幫浦 Driving Pump	150T116L
切削油馬達 Cutting Oil Motor	1/2H4P
潤滑油馬達 Lubricant Motor	自動型 Automation
油壓油量 Oil Pressure Amount	800L
切削油量 Cutting Oil Amount	300L
潤滑油量 Lubricant Amount	3L
最大孔徑 Max. Hole Diameter	120mm
被拉削物最大外徑 Max. Outside Diameter of Broached Object	460mm
機械最高尺寸 Highest Dimension of Machine	4200mm
機械面積 Area of Machine	2200*1750
機械總重量 Total Weight of Machine	3500kgs
工作檯高度 Table Height	2300mm



內徑拉床：自動提刀

Broaching Machines: Internal Automatic Tool-Lifting

TH-3X600A / TH-3X800A / TH-3X1000A

型號 TYPE	TH-3X600A	TH-3X800A	TH-3X1000A
引拔力 Broaching Power	3tons	3tons	3tons
最大行程 Max. Stroke	600mm	800mm	1000mm
拉刀最大長度 Max. Broach Length	600mm	800mm	1000mm
切削速度 Cutting Speed	1-6m/min	1-6m/min	1-6m/min
回程速度 Return Speed	1-7m/min	1-7m/min	1-7m/min
主機馬達 Driving Motor	5H4P	5H4P	5H4P
主機幫浦 Driving Pump	50T30L	50T30L	50T30L
提刀馬達 Tool-Lifting Motor	2H4P	2H4P	2H4P
提刀幫浦 Tool-Lifting Pump	可變式 20L Variable 20L	可變式 20L Variable 20L	可變式 20L Variable 20L
切削油馬達 Cutting Oil Motor	1/4H4P	1/4H4P	1/4H4P
潤滑油馬達 Lubricant Motor	自動型 Automation	自動型 Automation	自動型 Automation
油壓油量 Oil Pressure Amount	400L	400L	400L
切削油量 Cutting Oil Amount	140L	140L	140L
潤滑油量 Lubricant Amount	2L	2L	2L
最大孔徑 Max. Hole Diameter	40mm	40mm	40mm
被拉削物最大外徑 Max. Outside Diameter of Broached Object	280mm	280mm	280mm
機械最高尺寸 Highest Dimension of Machine	2950mm	3450mm	4120mm
機械面積 Area of Machine	1780*1510	1780*1510	1780*1510
機械總重量 Total Weight of Machine	1300kgs	1500kgs	1700kgs
工作檯高度 Table Height	1325mm	1525mm	1760mm



Internal

內徑拉床：自動提刀

Broaching Machines: Internal Automatic Tool-Lifting

TH-5X1000A / TH-7.5X1300A

型號 TYPE	TH-5X1000A	TH-7.5X1300A
引拔力 Broaching Power	5tons	7.5tons
最大行程 Max. Stroke	1000mm	1300mm
拉刀最大長度 Max. Broach Length	1000mm	1300mm
切削速度 Cutting Speed	1-6m/min	1-6m/min
回程速度 Return Speed	1-7m/min	1-7m/min
主機馬達 Driving Motor	10H6P	15H6P
主機幫浦 Driving Pump	150T94L	150T94L
提刀馬達 Tool-Lifting Motor	2H4P	2H4P
提刀幫浦 Tool-Lifting Pump	可變式 30L Variable 30L	可變式 30L Variable 30L
切削油馬達 Cutting Oil Motor	1/4H4P	1/4H4P
潤滑油馬達 Lubricant Motor	自動型 Automation	自動型 Automation
油壓油量 Oil Pressure Amount	630L	800L
切削油量 Cutting Oil Amount	200L	290L
潤滑油量 Lubricant Amount	4L	4L
最大孔徑 Max. Hole Diameter	80mm	100mm
被拉削物最大外徑 Max. Outside Diameter of Broached Object	380mm	460mm
機械最高尺寸 Highest Dimension of Machine	4120mm	4850mm
機械面積 Area of Machine	1980*1750	2070*1780
機械總重量 Total Weight of Machine	2600kgs	3300kgs
工作檯高度 Table Height	1830mm	2130mm



內徑拉床：自動提刀

Broaching Machines: Internal Automatic Tool-Lifting

TH-10X1500A / TH-15X1500A / TH-20X1500A

型號 TYPE	TH-10X1500A	TH-15X1500A	TH-20X1500A
引拔力 Broaching Power	10tons	15tons	20tons
最大行程 Max. Stroke	1500mm	1500mm	1500mm
拉刀最大長度 Max. Broach Length	1500mm	1500mm	1500mm
切削速度 Cutting Speed	1-10m/min	1-10m/min	1-10m/min
回程速度 Return Speed	1-12m/min	1-12m/min	1-12m/min
主機馬達 Driving Motor	20H6P	25H6P	40H6P
主機幫浦 Driving Pump	150T116L	DVQ189	DVQ189
提刀馬達 Tool-Lifting Motor	3H4P	3H4P	3H4P
提刀幫浦 Tool-Lifting Pump	可變式 30L Variable 30L	可變式 30L Variable 30L	可變式 30L Variable 30L
切削油馬達 Cutting Oil Motor	1/2H4P	1/2H4P	1/2H4P
潤滑油馬達 Lubricant Motor	自動型 Automation	自動型 Automation	自動型 Automation
油壓油量 Oil Pressure Amount	800L	1200L	1450L
切削油量 Cutting Oil Amount	300L	340L	400L
潤滑油量 Lubricant Amount	8L	8L	8L
最大孔徑 Max. Hole Diameter	120mm	120mm	120mm
被拉削物最大外徑 Max. Outside Diameter of Broached Object	460mm	460mm	460mm
機械最高尺寸 Highest Dimension of Machine	5500mm	5500mm	5500mm
機械面積 Area of Machine	2200*1760	2350*1990	2350*2060
機械總重量 Total Weight of Machine	3800kgs	4200kgs	5000kgs
工作檯高度 Table Height	2300mm	2300mm	2300mm



Internal

External

內徑拉床：自動提刀

Broaching Machines: Internal Automatic Tool-Lifting

TH-25X2000A

型號 TYPE	TH-25X2000A
引拔力 Broaching Power	25tons
最大行程 Max. Stroke	2000mm
拉刀最大長度 Max. Broach Length	2000mm
切削速度 Cutting Speed	1-10m/min
回程速度 Return Speed	1-12m/min
主機馬達 Driving Motor	50H6P
主機幫浦 Driving Pump	DVQ189
提刀馬達 Tool-Lifting Motor	5H4P
提刀幫浦 Tool-Lifting Pump	可變式 30L Variable 30L
切削油馬達 Cutting Oil Motor	1/2H4P
潤滑油馬達 Lubricant Motor	自動型 Automation
油壓油量 Oil Pressure Amount	1450L
切削油量 Cutting Oil Amount	400L
潤滑油量 Lubricant Amount	8L
最大孔徑 Max. Hole Diameter	120mm
被拉削物最大外徑 Max. Outside Diameter of Broached Object	460mm
機械最高尺寸 Highest Dimension of Machine	6700mm
機械面積 Area of Machine	2350*2080
機械總重量 Total Weight of Machine	5800kgs
工作檯高度 Table Height	2800mm



外徑拉床

Broaching Machines: External

TH-600X235A / TH-800X235A

型號 TYPE	TH-600X235A	TH-800X235A
引拔力 Broaching Power	3tons	5tons
最大行程 Max. Stroke	600mm	800mm
拉刀最大長度 Max. Broach Length	600mm	800mm
切削速度 Cutting Speed	1-6m/min	1-6m/min
回程速度 Return Speed	1-7m/min	1-7m/min
主機馬達 Driving Motor	5H4P	10H6P
主機幫浦 Driving Pump	50T30L	150T75L
切削油馬達 Cutting Oil Motor	1/4H4P	1/4H4P
潤滑油馬達 Lubricant Motor	自動型 Automation	自動型 Automation
送料裝置馬達 Feed Motor of Device	1H4P	1H4P
油壓油量 Oil Pressure Amount	450L	600L
切削油量 Cutting Oil Amount	160L	160L
潤滑油量 Lubricant Amount	2L	2L
最大加工物寬度 Maximum width of processing piece	235mm	235mm
機械最高尺寸 Highest Dimension of Machine	2200mm	2730mm
機械面積 Area of Machine	2200*1500	2200*1500
機械總重量 Total Weight of Machine	1300kgs	2000kgs
工作檯高度 Table Height	870mm	1250mm



External

外徑拉床

Broaching Machines: External

TH-800X350A / TH-1000X235A

型號 TYPE	TH-800X350A	TH-1000X235A
引拔力 Broaching Power	7.5tons	5tons
最大行程 Max. Stroke	800mm	1000mm
拉刀最大長度 Max. Broach Length	800mm	1000mm
切削速度 Cutting Speed	1-6m/min	1-6m/min
回程速度 Return Speed	1-7m/min	1-7m/min
主機馬達 Driving Motor	15H6P	10H6P
主機幫浦 Driving Pump	150T94L	150T75L
切削油馬達 Cutting Oil Motor	1/4H4P	1/4H4P
潤滑油馬達 Lubricant Motor	自動型 Automation	自動型 Automation
送料裝置馬達 Feed Motor of Device	2H4P	1H4P
油壓油量 Oil Pressure Amount	700L	700L
切削油量 Cutting Oil Amount	270L	270L
潤滑油量 Lubricant Amount	2L	4L
最大加工物寬度 Maximum width of processing piece	350mm	235mm
機械最高尺寸 Highest Dimension of Machine	2730mm	3200mm
機械面積 Area of Machine	2500*1800	2500*1800
機械總重量 Total Weight of Machine	2500kgs	2900kgs
工作檯高度 Table Height	1250mm	1450mm



外徑拉床

Broaching Machines: External

TH-1000X350A

型號 TYPE	TH-1000X350A
引拔力 Broaching Power	7.5tons
最大行程 Max. Stroke	1000mm
拉刀最大長度 Max. Broach Length	1000mm
切削速度 Cutting Speed	1-6m/min
回程速度 Return Speed	1-7m/min
主機馬達 Driving Motor	15H6P
主機幫浦 Driving Pump	150T94L
切削油馬達 Cutting Oil Motor	1/4H4P
潤滑油馬達 Lubricant Motor	自動型 Automation
送料裝置馬達 Feed Motor of Device	2H4P
油壓油量 Oil Pressure Amount	800L
切削油量 Cutting Oil Amount	320L
潤滑油量 Lubricant Amount	4L
最大加工物寬度 Maximum width of processing piece	350mm
機械最高尺寸 Highest Dimension of Machine	3200mm
機械面積 Area of Machine	2500*1800
機械總重量 Total Weight of Machine	3500kgs
工作檯高度 Table Height	1450mm



External

外徑拉床

Broaching Machines: External

TH-1300X350A / TH-1300X500A

型號 TYPE	TH-1300X350A	TH-1300X500A
引拔力 Broaching Power	10tons	15tons
最大行程 Max. Stroke	1300mm	1300mm
拉刀最大長度 Max. Broach Length	1300mm	1300mm
切削速度 Cutting Speed	1-10m/min	1-10m/min
回程速度 Return Speed	1-12m/min	1-12m/min
主機馬達 Driving Motor	20H6P	25H6P
主機幫浦 Driving Pump	150T116L	DVQ45-156
切削油馬達 Cutting Oil Motor	1/4H4P	1/4H4P
潤滑油馬達 Lubricant Motor	自動型 Automation	自動型 Automation
送料裝置馬達 Feed Motor of Device	2H4P	2H4P
油壓油量 Oil Pressure Amount	1000L	1200L
切削油量 Cutting Oil Amount	450L	450L
潤滑油量 Lubricant Amount	4L	4L
最大加工物寬度 Maximum width of processing piece	350mm	500mm
機械最高尺寸 Highest Dimension of Machine	3800mm	4060mm
機械面積 Area of Machine	2500*2000	2600*2400
機械總重量 Total Weight of Machine	4000kgs	5600kgs
工作檯高度 Table Height	1600mm	1600mm

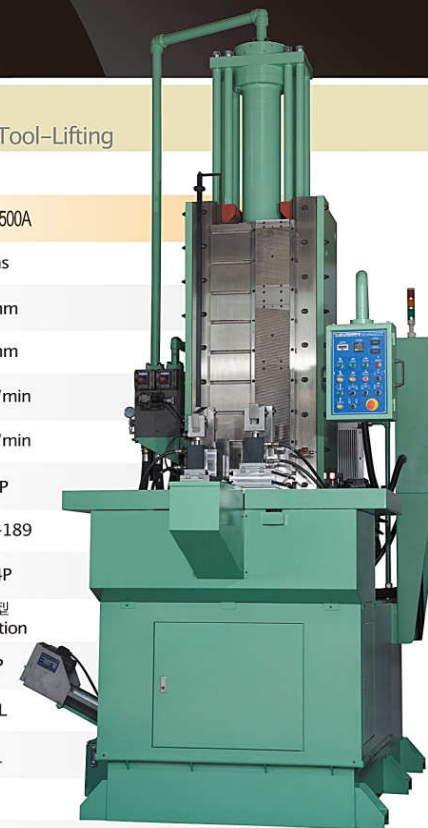


外徑拉床：自動提刀

Broaching Machines: External Automatic Tool-Lifting

TH-1300X350A / TH-1800X500A

型號 TYPE	TH-1300X350A	TH-1800X500A
引拔力 Broaching Power	20tons	20tons
最大行程 Max. Stroke	1500mm	1800mm
拉刀最大長度 Max. Broach Length	1500mm	1800mm
切削速度 Cutting Speed	1-10m/min	1-10m/min
回程速度 Return Speed	1-12m/min	1-12m/min
主機馬達 Driving Motor	30H6P	30H6P
主機幫浦 Driving Pump	DVQ45-189	DVQ45-189
切削油馬達 Cutting Oil Motor	1/4H4P	1/4H4P
潤滑油馬達 Lubricant Motor	自動型 Automation	自動型 Automation
送料裝置馬達 Feed Motor of Device	5H4P	5H4P
油壓油量 Oil Pressure Amount	1300L	1500L
切削油量 Cutting Oil Amount	580L	580L
潤滑油量 Lubricant Amount	8L	8L
最大加工物寬度 Maximum width of processing piece	500mm	500mm
機械最高尺寸 Highest Dimension of Machine	4380mm	5200mm
機械面積 Area of Machine	3100*2400	3100*2400
機械總重量 Total Weight of Machine	6000kgs	8000kgs
工作檯高度 Table Height	1800mm	2000mm



External

外徑拉床：自動提刀

Broaching Machines: External Automatic

Tool-Lifting

TH-2500X500A

型號 TYPE	▶	TH-2500X500A
引拔力 Broaching Power	▶	25tons
最大行程 Max. Stroke	▶	2500mm
拉刀最大長度 Max. Broach Length	▶	2500mm
切削速度 Cutting Speed	▶	1-10m/min
回程速度 Return Speed	▶	1-12m/min
主機馬達 Driving Motor	▶	40H6P
主機幫浦 Driving Pump	▶	DVQ45-216
切削油馬達 Cutting Oil Motor	▶	1/4H4P
潤滑油馬達 Lubricant Motor	▶	自動型 Automation
送料裝置馬達 Feed Motor of Device	▶	5H4P
油壓油量 Oil Pressure Amount	▶	1600L
切削油量 Cutting Oil Amount	▶	580L
潤滑油量 Lubricant Amount	▶	8L
最大加工物寬度 Maximum width of processing piece	▶	500mm
機械最高尺寸 Highest Dimension of Machine	▶	6685mm
機械面積 Area of Machine	▶	3100*2400
機械總重量 Total Weight of Machine	▶	9800kgs
工作檯高度 Table Height	▶	2746mm



● TH-800X235
外徑拉床：雙台式
External and Twin



● TH-7.5X1000AD
內徑拉床：雙軸式
Internal and Double Shaft



● TH-7.5X1300A
內徑拉床：臥式
Horizontal



● TH-20X1300AT
內徑拉床：三軸式
Internal and Three Shaft



● THP-5X650
立式壓床
Push Type



● THP-30X1000
立式壓床
Push Type



● THP-300X700
立式壓床
Push Type

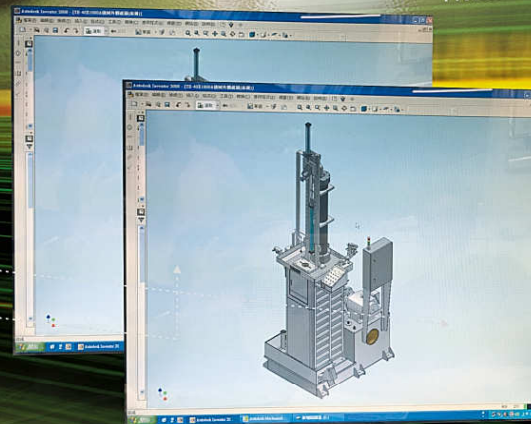
除了標準規格的機械外，我們也為客戶量身訂做適用的機型，無論是雙台式亦或是雙軸都可以為客戶的操作使用方便而設計。另外除了立式拉床外我們也為客戶提供臥式的機型，這適用於某些特定工具件或是生產廠高度不夠時。我們竭誠歡迎您，有任何需求請與我們聯繫。

In addition to the standard specifications of the machinery, we also do customize for clients which twin or dual-axis, only think that the customer can easy operation. Except vertical broaching machines we also provide customers with the horizontal model, which applies to some specific workpieces or factory's height is not enough. We welcome you to contact us as you have any needs.



工件

Sincere Innovation
Profession / Responsibility / Enthusiasm



TSAN HSIN
研究及發展
Research & Develop

臻鑫公司擁有30多年豐富經驗與專業技術，因此生產的各式油壓拉床品質極為精良，加上功能精確、換工件速度快、操作簡單易上手、30秒即可一次成型的優勢，早已取代加工程序繁雜，5-6分鐘才能成型的舊式機械型態。所以臻鑫公司生產的拉床品質媲美日本，價錢卻極為合理，只有日本生產的70%左右，另外交貨期短(約2~3個月)，產品廣獲全球客戶認同與肯定。

秉持服務熟忱、客戶至上與精益求精的經營理念，臻鑫公司不斷研發設計更高品質、更高效能之拉床，以期提高拉床的實用功能，使之更卓越、完善。公司產品已做到產品規格化，在評估客戶的需求後，即可有效率地提供客戶的需要。由於產品獲得歐盟CE 安規認證，品質受到客戶肯定，外銷訂單旺盛，2007年以來成長表現驚人。為提升公司產能，我們期許自己盡速將擴大廠房與設備，以生產更高品質的拉床，為客戶昇升更佳的服務品質，也讓我們在全球市場締造佳績！

Possessing over three decades of experience and professional skills, we manufacture a variety of fine quality hydraulic broaching machines. Due to our excellent design and craftsmanship, machine functions are precise and work piece changeover is fast. Our machines are also user-friendly and easy to learn how to operate. Being able to complete one piece in as short as 30 seconds, we readily outperform milling machines with our complex procedures and slow 5-6 minute work times. Our quality is just as good as Japanese machines but our prices are around 30% less than other Japanese competitors. Another strongpoint of our company is our delivery times are faster than Japanese competitors (our manufacture duration about two to three months). All of these strengths have made our products appreciated and trusted by customers around the world.

Standing by our customer first and quality service business strategy, we are designing more quality and efficient broaching machines which further upgrade the utility and functionality. Our company offers standardized products. By first evaluating customer requirements, we are able to precisely meet our customer needs. Since the products have been awarded CE safety certification and our quality is well recognized among our customers, export orders are booming. Sales are expected to double in 2007. To raise company production capacity, we plan to expand our production facilities and add more equipment so our high quality broaching machines continue to enjoy high sales in global markets.