

# A History of REX Threading Machines

## • Miyagawa Tool Works and Main Products circa 1935



Miyagawa Tool Works (circa 1935)



Company premises and founder



Factory



# since 1925

Rex Factory around 1952  
As appeared in H.E.C (Handicapped Employment Campaign) Magazine No. 3

**Our manufacturing policy is based on the concept that product development starts with our customers - at site.**

## Products in the early days

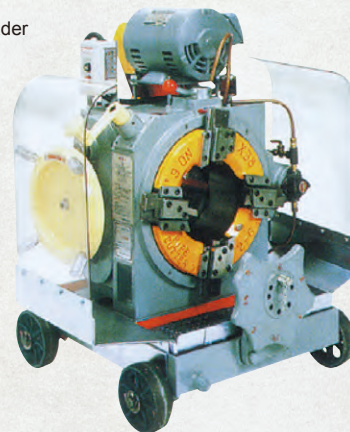


- ① Hand grinder
- ② Cobra brand gasoline blow torch
- ③ Oster-type hand threader

Rex was originally established as "Miyagawa Tool Works" in Nishi-ku, Osaka in August 1925. The company had great success in producing the above products for the domestic market.

In 1946, shortly after World War II, the company started the development and domestic production of a ratchet hand threader.

In 1960, Rex began its first mass-production of electrical threading machines (No. 2 pipe machine). It was the first step in the move from hand to power threading machines.

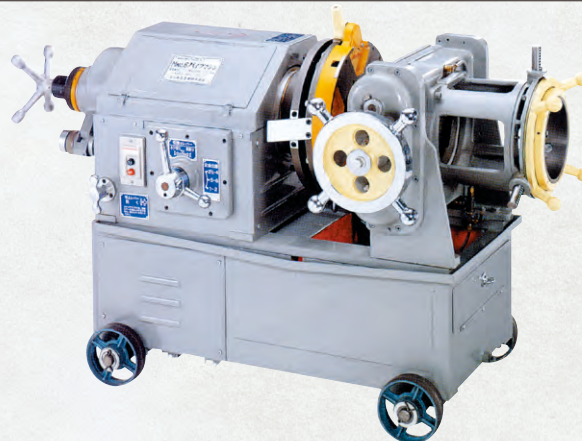


Cutting machine designed for the M No. 6 threading machine. It had 4 bite blades and could cut stainless steel pipes

## Toward domestic production of electric power machines

In 1964, in the midst of high economic growth in Japan, we started sales of the M No. 6 Pipe machine, which enabled threading on 6" steel pipe - the maximum size of pipe that could be threaded at that time in Japan - so we are proud of our contribution to the construction of social infrastructure.

Following this, we introduced our 4" machine, then the 3" machine and, in 1975, our 1½" machine. In 1989, we introduced a ¾" machine, the smallest machine in the world, which was greeted with great acclaim and was highly evaluated by users of the time.



The M No. 6 threading machine, introduced in 1964, provided stable threading using the so-called "Master Threading Method", which was big news in the industry.



## Transition to electric-powered threading machines

**1963**

Fuji



**1976-2001**

C82



**20-25A**

**1989-2004**

N20A



**1994-2001**

N25A



**1999-**

NS25A



**2018-**

F25A



**40A**

**1975-1984**

Mini40A



**1983-2005**

N40A



**2005-**

S40A



**50A**

**1960**

No.2



**1971-1983**

Boya 50ADX



**1979-2001**

60AⅢ



**1983-1999**

N50A



**1999-2008**

P50A



NP50A

**2008-2023**



NR50A



FP50A



**2023-**

FR50A



**80A**

**1967**

No.3



**1972-1988**

Ushiwaka 80ADX



**1980-**

90AⅢ



**1988-2002**

N80A



**2002-2011**

S80A



**2011-**

NP80A



**100A**

**1962**

Apollo 100A



**1974-1985**

Apollo 100ADX



**1985-**

N100A



**150A**

**1974-**

(Taiyo) 150A

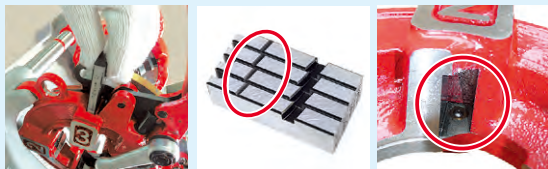


# Special features of REX Pipe Threading Machines

In addition to their precision, toughness and variety, REX pipe threading machines offer these great features. Consumables can be replaced easily.

## EASY MAINTENANCE

### Easy to change the Dies



Dies can be changed without removing the Die-head from the machine.

Notches in the Dies click into position against spring balls in the Die-head to allow you to easily confirm the Dies have been installed correctly.

### Easy to change the Chuck Jaw Inserts

Chuck jaw inserts can easily be changed using a hexagonal wrench. It's not necessary to disassemble the chuck, so maintenance can easily be performed even at site.



### Easy to check and inspect the Oil Pump, too

Oil pump is readily accessible so it is easy to check. (Photo shows position of oil pump on a 2" machine)



### Easy to change the Carbon Brushes

Carbon brushes come with a stopper so that when they are worn the motor stops automatically, which avoids damaging it.



Can be replaced through the windows on both sides of the main body.



Side

## USER FRIENDLY

- Stronger than previous model and with a more luxurious touch.
- As the stroke is about 25mm longer than the previous model, it is easier to work with.
- Designed to reduce scraps getting entangled.

Die-cast body



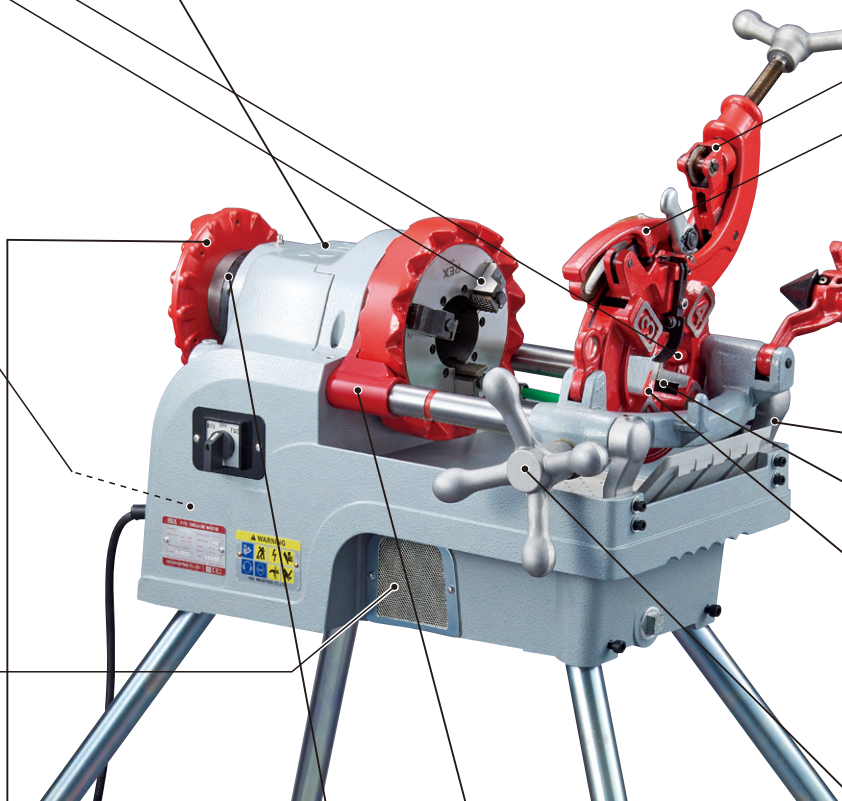
Wider space



Scrap receiver



### Strong body, comfortable working space



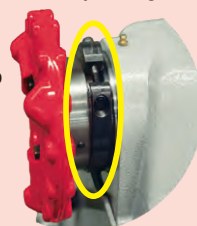
- Rear chuck jaws do not come out, resulting in enhanced operator safety.



- Safety collar protects operator's fingers.

- Take up any slack between the main shaft and the shaft bearing to keep the pipe steady.

Adjust ring



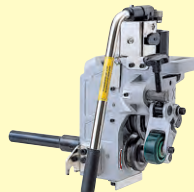
## COMPATIBILITY

- While there are differences in the types of Die-head, the Dies for 1½" to 4" machines are mostly interchangeable.
- The ½" to 2" Manual DH, Uni-auto DH, NV-auto DH and Self-opening DH are compatible with the 50A, 80A and 100A.
- You can also attach REX portable groovers.

- The cutter wheels for the 40A, 50A, 80A, 100A and 150A are compatible.



Portable Groover M



Portable Groover H



16K030



Manual DH



Uni-auto DH



NV-auto DH



50A



80A



100A

- Improve durability and operability of the switch



Push Button Switch (Non-CE)



Cam Switch (CE) & Foot switch



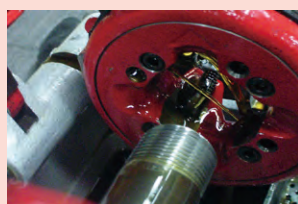
- You can regulate the amount of cutting oil so you needn't worry about it splashing about where you don't want it to.



- Carriage handle has four spokes for an easy, secure grip.



- Self-oiling function allows you to forget about oil flow when working with the machine.



- Two-step blade provides a stable bite allowing you to remove any external coating and cut the pipe at the same time (BSPT only).













































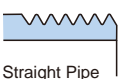





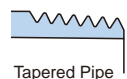
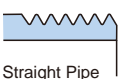
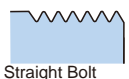































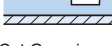


# PIPE THREADING MACHINES

## Optional Equipment Chart

\* See Compatibility Tables P. 36-45 for more details. \*\*\* discontinued

\*\* Die-head holder required. (see page 32)

	Capacity (in.)	Voltage	Weight (kg) w/o DH	Manual Die-head*	Uni-auto* Die-head	NV-auto* Die-head	Self-opening* Die-head
<b>F25A</b> 	¼ - 1	110 V, 120 V 220/230 V	19.8	¼"-1" BSPT NPT ¾"-¾" BSW  MD25A	—	—	¼"-¾" ½"-1" BSPT NPT  SOD10A/25A
<b>S40A</b> 	¼ - 1½	110 V, 120 V	32	¼"-¾" BSPT NPT ¾"-¾" BSW  MD10A ½"-1½" BSPT NPT Metric UNC PF C  MD40A	 UAD40A ½"-1½" BSPT NPT	—	 SOD10A/25A** +Die-head holder  SOD20A 1"-1½" BSPT  SOD40A
<b>FP50A</b> 	¼ - 2	110 V, 120 V 220/230 V	48	 MD10A  MD40A ½"-2" BSPT NPT BSW Metric UNC NPSM BSP PF C  MD50A	 UAD50A ½"-2" BSPT NPT	 NVAD50A ½"-2" BSPT NPT	 SOD10A/25A** +Die-head holder  SOD20A/40A 1"-2" BSPT NPT  SOD50A
<b>FR50A</b> 	¼ - 2	110 V, 120 V 220/230 V	48	½"-2" BSPT NPT  MD50A-R	 UAD50A-R*** ½"-2" BSPT NPT	 NVAD50A-R ½"-2" BSPT NPT	—
<b>NP80A</b> 	¼ - 3	110 V 220/230 V	67	 MD10A  MD40A  MD50A 2½"-3" BSPT NPT BSP PF C  MD80A	 UAD50A ½"-2" BSPT NPT	 NVAD50A ½"-2" BSPT NPT	 SOD10A/25A** +Die-head holder  SOD20A/40A  SOD50A 2½"-3" BSPT  SOD80A
<b>N100A</b> 	¼ - 4	110 V, 120 V 220/230 V	123	 MD10A  MD50A  MD40A  MD80A 3½"-4" PF  MD100A***	 UAD50A ½"-2" BSPT NPT	 NVAD50A ½"-2" BSPT NPT	 SOD10A/25A** +Die-head holder  SOD20A/40A  SOD50A 2½"-3" BSPT  SOD80A
<b>150A</b> 	2½ - 6	110 V, 120 V 220/230 V	170	—	—	—	—
Example of setting							
Cutaway view				BSPT NPT  Tapered Pipe	BSPP PF C NPSM  Straight Pipe	Metric BSW UNC  Straight Bolt	
Features				· Die-head and dies for steel pipes and bars.			

Profiling* Die-head	Roll Thread Head <i>For sale in Japan only</i>	Grooving / Bevelling* Die-head	Portable Groover	Threader cart / Caster	CE Foot Switch Version
—	—	—	—	—	—
—	$\frac{3}{8}$ " $\frac{1}{2}$ " $\frac{3}{4}$ " BSPT  SRH-10A SRH-15A SRH-20A	—	—	—	—
—	$\frac{3}{8}$ " $\frac{1}{2}$ " $\frac{3}{4}$ " 1" BSPT  SRH-10A SRH-15A SRH-20A SRH-25A	 $\frac{3}{4}$ "- 2"	 RG-R0 with respective mount base M-R series	 Threader Cart**** with respective adapter	 Available
—	—	—			
$2\frac{1}{2}$ "-3" BSPT (Self- Profiling)  SPD80A	$\frac{3}{8}$ " $\frac{1}{2}$ " $\frac{3}{4}$ " 1" $1\frac{1}{4}$ " $1\frac{1}{2}$ " 2" BSPT  SRH-10A SRH-15A SRH-20A SRH-25A SRH-32A SRH-40A SRH-50A	 $\frac{3}{4}$ "- 2" GV/BVD50A  $2\frac{1}{2}$ "- 3" GV/BVD80A	 RG-RH with respective mounting kit M-HR series	 Threader Cart**** with respective adapter	 Available
 SPD80A $2\frac{1}{2}$ "-4" BSPT NPT  PD100A	—	 $\frac{3}{4}$ "- 2" GV/BVD50A  $2\frac{1}{2}$ "- 3" GV/BVD80A  $2\frac{1}{2}$ "- 4" GV/BVD100A			
$2\frac{1}{2}$ "-4" BSPT NPT  PD100A-6" $5$ "-6" BSPT NPT  PD150A	—	 $2\frac{1}{2}$ "- 4" GV/BVD100A  $5$ "- 6" GV/BVD150A	—	 Caster	 Available
—	 Roll Thread	 Cut Grooving  Bevelling		—	
—	 Roll Thread	 Cut Grooving  Bevelling	 Roll Grooving	—	
	<ul style="list-style-type: none"> <li>· Eco-friendly</li> <li>· Reduces costs</li> <li>· Damage-resistant</li> <li>· Rust-resistant</li> <li>· Leak-resistant</li> </ul>	Grooving dies for making grooves in internally lined steel pipes and thick-walled pipes. Bevelling dies for reaming welded pipes.	Plasticity processing increases strength. For coupling joints.		