

SMART-B1640III

Pump Rotor
擺線轉子



Material	工件材質	20CrMn
Hardness	工件硬度	HRC60-64
Machining Size	加工尺寸	Ø53x140(L)mm
Machining Time	加工時間	12min / 12分

Point of Requirement 需求重點

02

It takes you only 10 mins to manage to use profile dressing and to form grinding by SMART grinders with professional program and fixture.
成型輪廓修整之速成與專用程式與治具

Point of Requirement / 需求重點	Specifications or Accuracy / 規格或精度
Grinding Wheel / 砂輪型式	3SG-60-G-VSP (Brand:Norton America)
Symmetry Accuracy / 對稱精度	≤0.01mm
Dimension Accuracy / 尺寸精度	±0.01mm

FMG-1632CNC-HD

Pump Rotor
擺線轉子



Material	工件材質	20CrMn
Hardness	工件硬度	HRC60-64
Machining Size	加工尺寸	Ø53x140(L)mm
Machining Time	加工時間	7min / 7分

Point of Requirement 需求重點

02

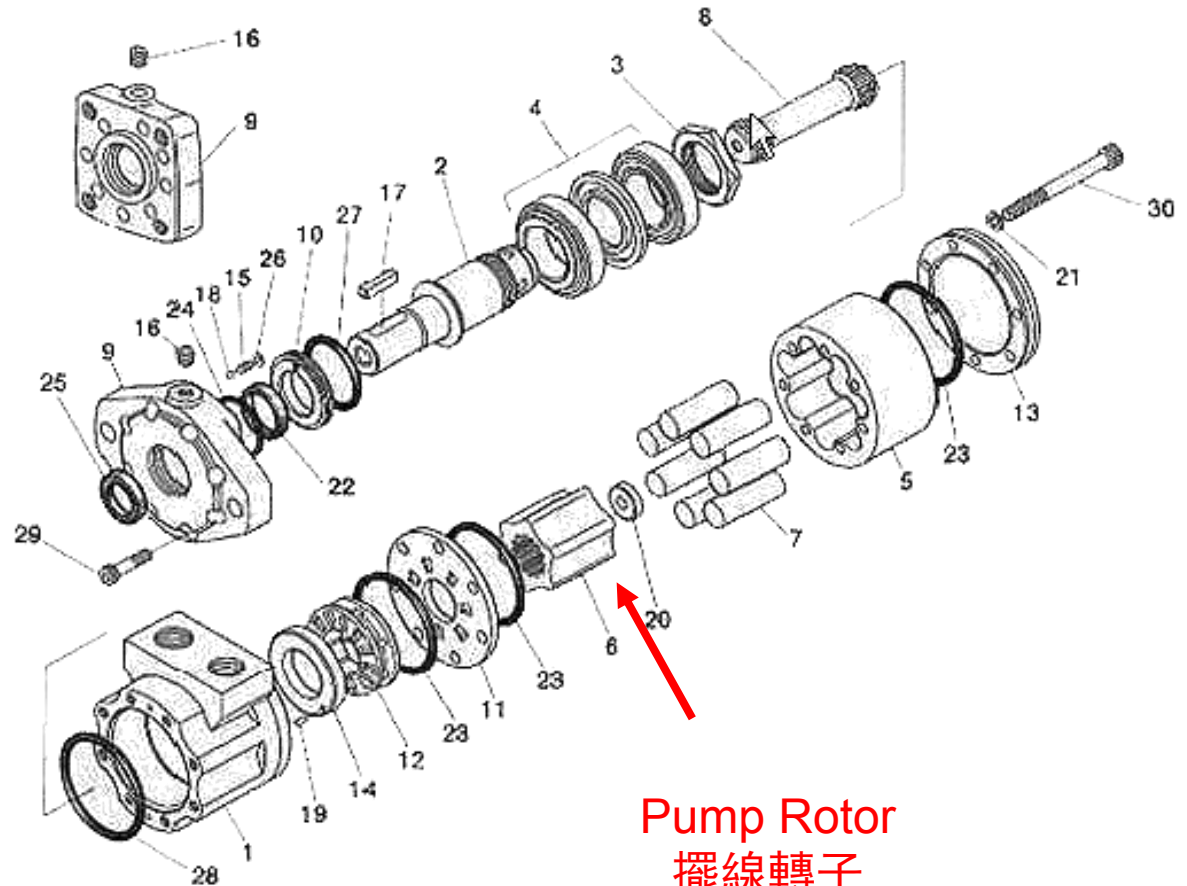
It takes you only 10 mins to manage to use profile dressing and to form grinding by heavy cutting grinders with high efficiency model of FMG and FSG series.
成型輪廓修整之速成與高效能 FMG and FSG 系列機種

Point of Requirement / 需求重點	Specifications or Accuracy / 規格或精度
Grinding Wheel / 砂輪型式	3SG-60-G-VSP (Brand:Norton America)
Symmetry Accuracy / 對稱精度	<=0.01mm
Dimension Accuracy / 尺寸精度	±0.01mm

02. Pump Rotor / 擺線轉子



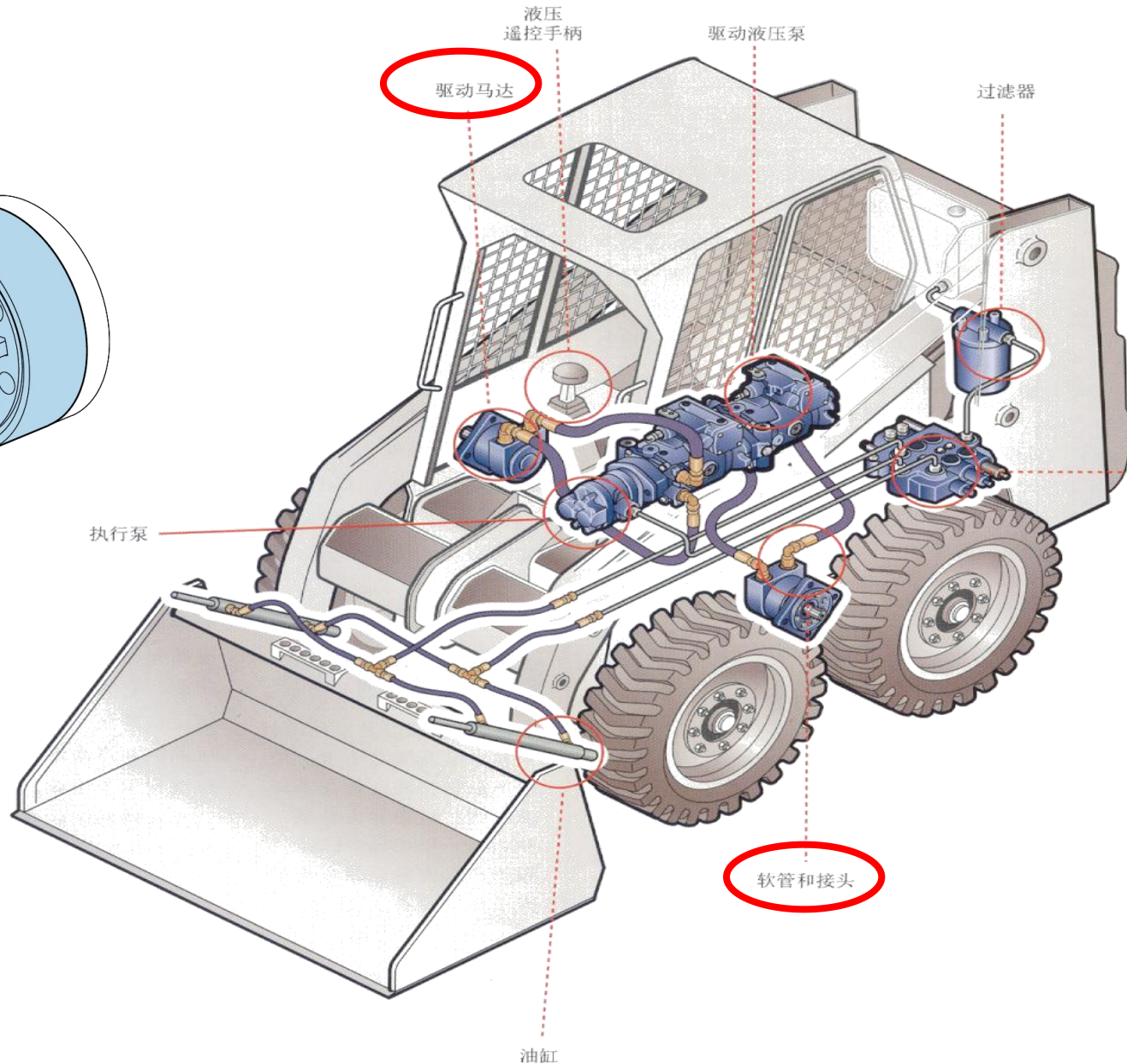
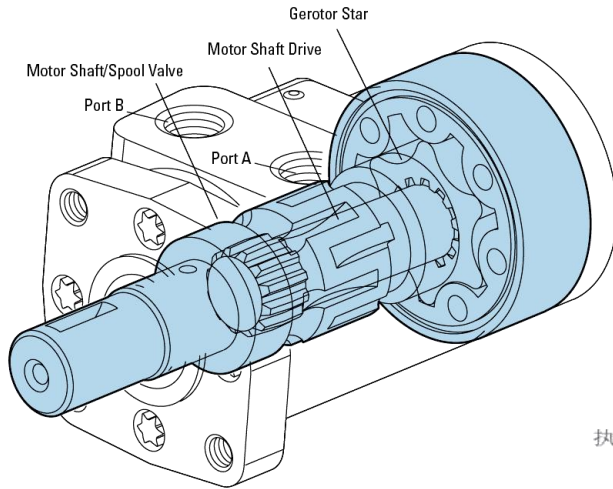
Pump
擺線馬達



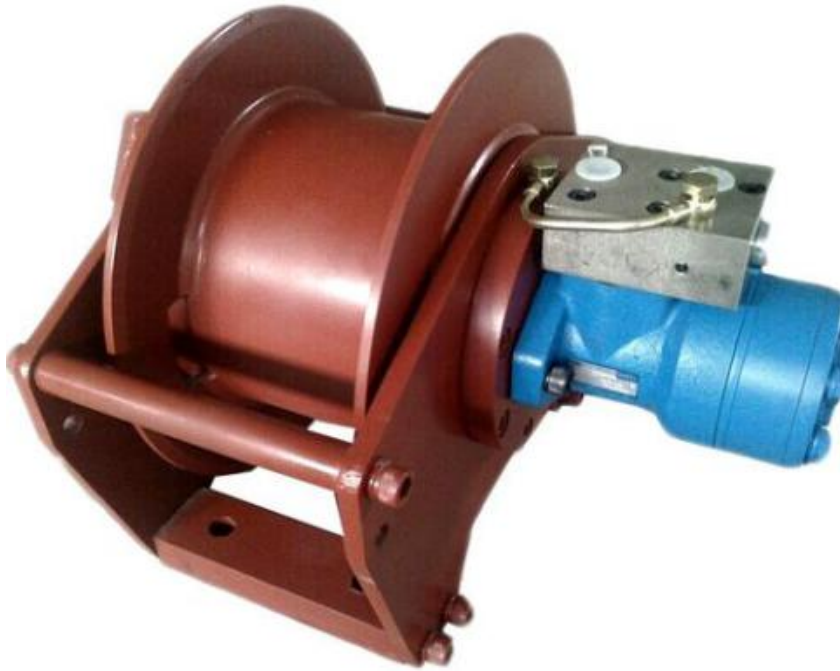
Pump Rotor
擺線轉子

02. Pump Rotor / 擺線轉子

Applications 擺線轉子產品應用 推土機



02. Pump Rotor / 擺線轉子



Applications
擺線轉子產品應用
液壓吊車

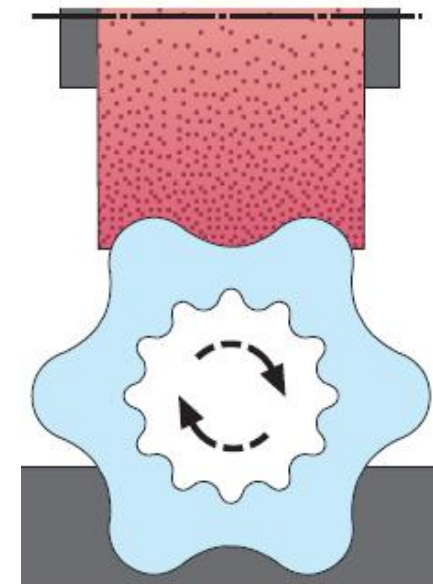
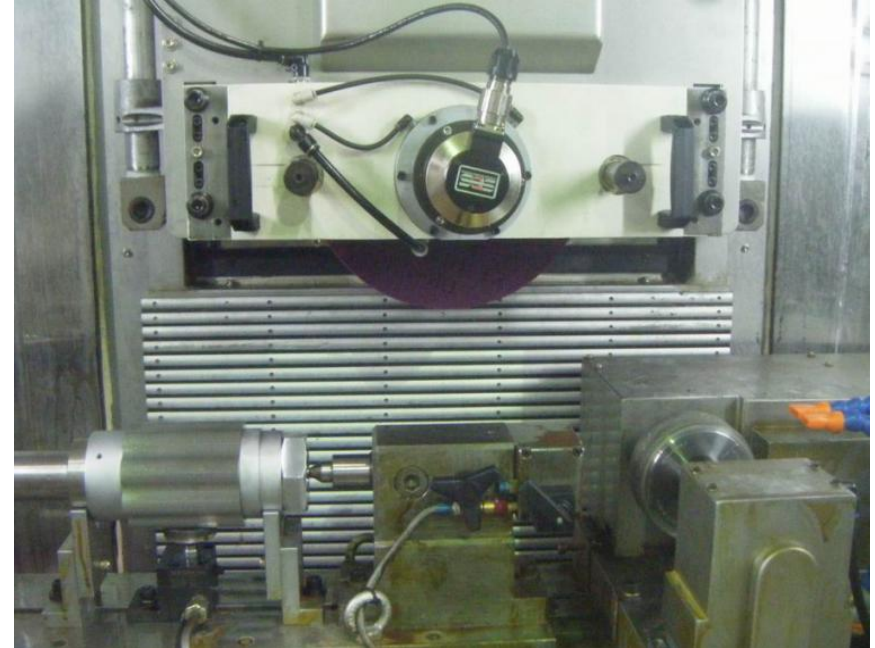


02. Pump Rotor / 擺線轉子

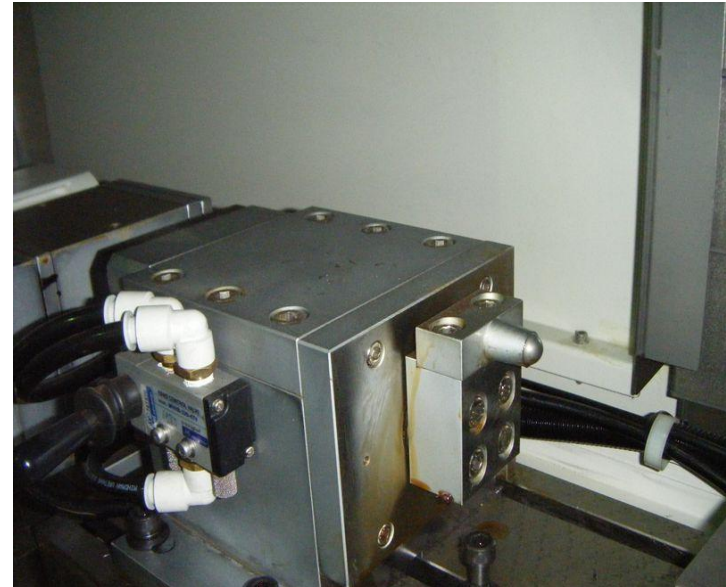
Applications
擺線轉子產品應用
煤礦鑽機



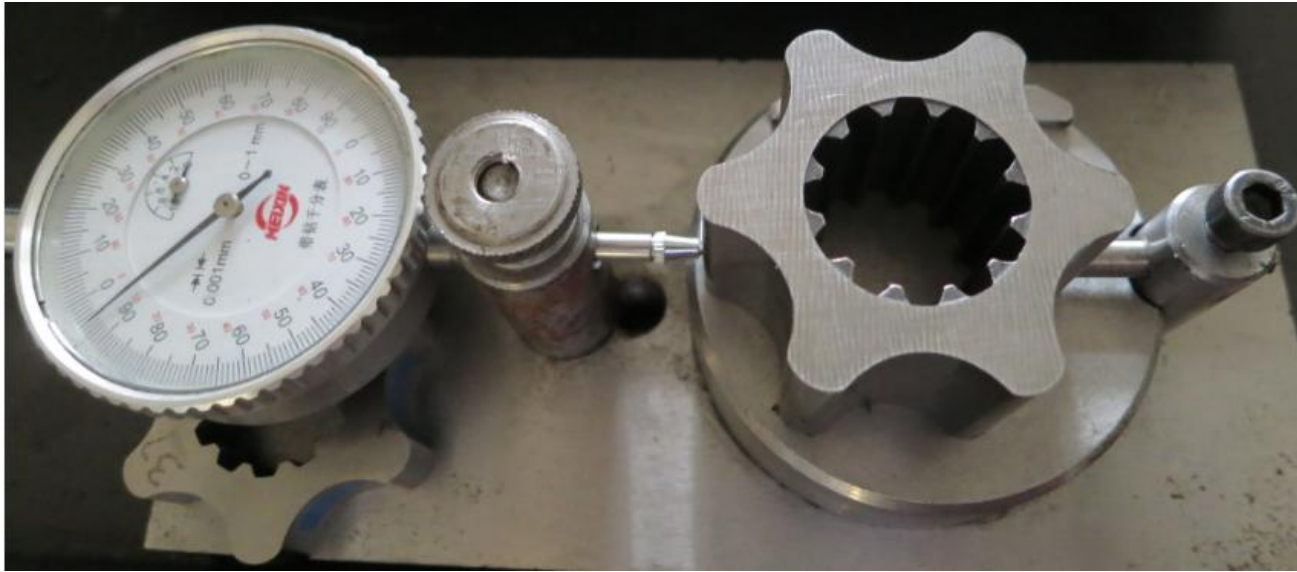
02. Pump Rotor / 擺線轉子



02. Pump Rotor / 擺線轉子



02. Pump Rotor / 擺線轉子



02. Pump Rotor / 擺線轉子

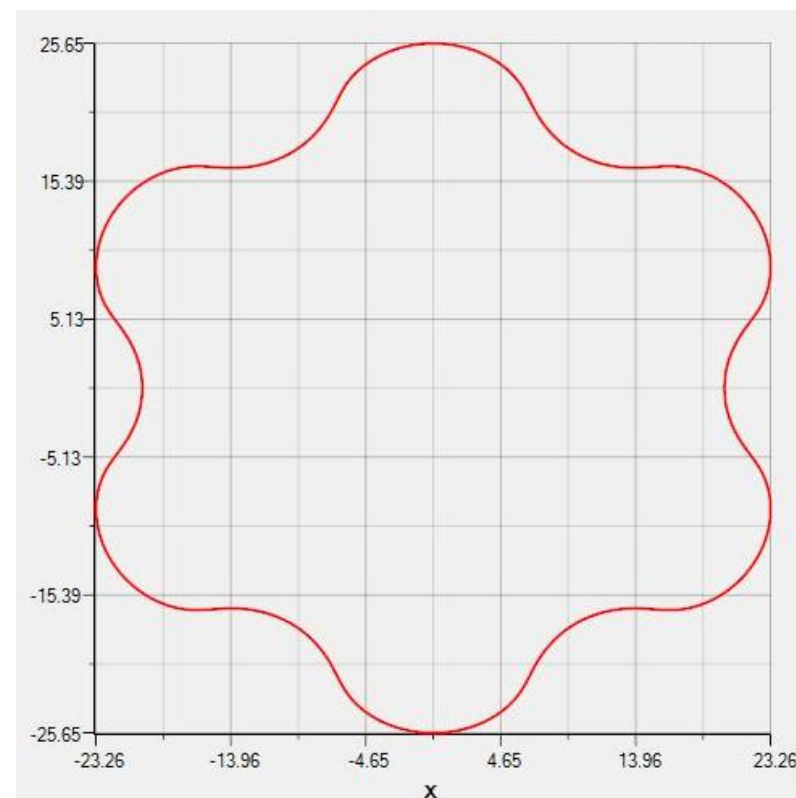
CHEVALIER Trochoid Rotor Calculator pro v1.1

Parameters of External Teeth Setting

Number of Teeth of Rotor (Z)	<input type="text" value="6"/>
Diameter of Pin Wheel (d)	<input type="text" value="12.71"/>
Circle Diameter of Pin Wheel Distribution (D)	<input type="text" value="58.425"/>
Eccentricity (e)	<input type="text" value="2.794"/>
Number of Teeth of Stator (Ze)	<input type="text" value="7"/>
Curtate Coefficient (K)	<input type="text" value="0"/>
Export File Name	<input type="text" value="4201"/>

Precision 0.1 0.01 0.001 0.0001

Trochoid Function Jenjang



02. Pump Rotor / 擺線轉子

PU ▲ 參數 1 參數 2 參數 3 Option

工件編號
324 ▼

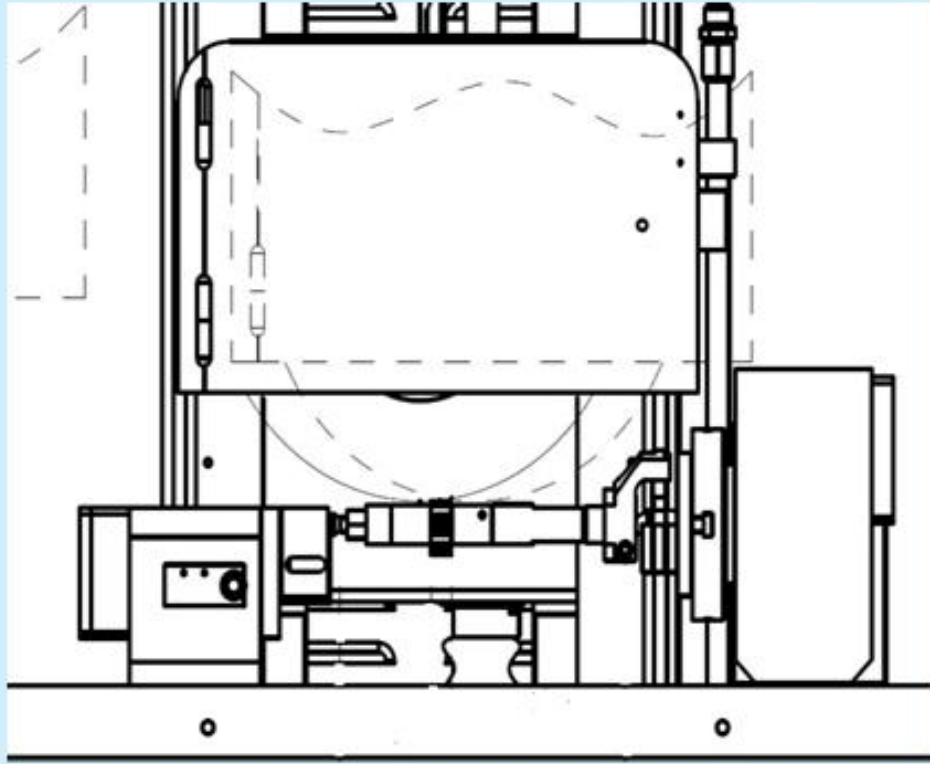
加工模式設定
研磨搭修整 ▼

最後一個工件
X軸研磨位置
0.090

Y軸研磨起始點
-100.000

Z軸研磨起始點
-20.000

A軸研磨起始點
0.000



砂輪研磨線速度
1800

工件總厚度
0.000

工件齒數
0.000

X軸斜率
0.050

Y軸偏移量
0.000

Z軸偏移量
0.000

The image shows a technical drawing of a pump rotor being ground. The rotor is a complex, curved part with multiple teeth or lobes. It is mounted on a grinding machine. The drawing shows the grinding wheel and the workpiece in a cross-sectional view. The grinding wheel is positioned to grind the outer surface of the rotor. The workpiece is held in a chuck. The grinding machine is shown in a side view, with the grinding wheel and the workpiece clearly visible. The drawing is a black and white line drawing with dashed lines indicating hidden parts.

02. Pump Rotor / 擺線轉子

刀具半徑R

0.000

修整單次進刀量

0.003

單碟輥輪總修整量

0.010

修整速度

0.004

成型路徑選擇

0.000

修整起始位置

0.040

0.000

0.030

機械座標

X 0.000

Y 0.000

Z 0.000

A 0.000

砂輪表面速度

0.000

0

0.010

Y軸修整速度

0.020

新或舊砂輪修整

新砂輪 ▼

粗磨設定條件

粗研磨總量	粗磨進刀量	X軸研磨速度	粗磨幾齒修整
0.600	0.010	0.000	0.002

細磨設定條件

細研磨總量	細磨進刀量	X軸研磨速度	拉高X軸研磨速度
0.010	0.005	0.000	0.000

空磨設定條件

空研磨次數	X軸研磨速度	X軸退刀量
0.000	0.000	0.000

額外研磨設定條件

額外研磨總量	額外研磨進刀量	X軸研磨速度	額外研磨幾齒修整
0.000	0.000	0.000	9