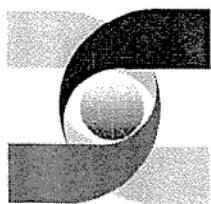


Twinhorn

VERTICAL MACHINING CENTER

PART LIST

VH Series



CHI-FA MACHINERY

CHI-FA MACHINERY MANUFACTURER CO., LTD.

NO.44 MING-CHUAN RD., SHENG KANG HSIANG,
TAICHUNG HSIEN, TAIWAN 429

TEL:+886-4-25628747 (REP.) FAX:+886-4-25614199 25628389

<http://www.twinhorn.com.tw> E-mail:chifaltd@ms36.hinet.net

VH-650、850、1010 INDEX

Print order: 5

No.	ASSEMBLE	DESCRIPTION	PAGE
1	CVHB-0301A	COVER ASEMBLY	P1-1~P1-5
2	CVHB-1A01	BASE	P2
3	CVHB-2A01	COLUMN	P3
4	CVHB-2A02	FIXED COVENTER WEIGHT	P4
5	CVHB-3A01	FIXED SADDLE	P5
6	CVHA-4A01	TABLE ASSEMBLY	P6
7	CVHB-4A01	TABLE ASSEMBLY	P7
8	CVHB-5A01	SPINDLE ASSEMBLY	P8-1~P8-2
9	CVHB-5A02	COOLANT THROUGH SPINDLE ASSEMBLY	P9
10	CVHB-5A03	CONTER WEIGHT ASSEMBLY	P10
11	CVHB-5A04	SPINDLE MOTOR ASSEMBLY	P11
12	CVHB-5A05	FIXED SPINDLE ASSEMBLY	P12
13	CVHB-6A01	X-AXIS BALL ASSEMBLY	P13
14	CVHB-6A02	X-AXIS DRIVE ASSEMBLY	P14

VH-650、850、1010
INDEX

Print order: 5

No.	ASSEMBLE	DESCRIPTION	PAGE
15	CVHB-6A03	Y-AXIS BALL ASSEMBLY	P15
16	CVHB-6A04	Y-AXIS DRIVE ASSEMBLY	P16
17	CVHB-6A05	Z-AXIS BALL ASSEMBLY	P17
18	CVHB-6A06	Z-AXIS DRIVE ASSEMBLY	P18
19	CVHB-7A01	16、20T ATC	P19
20	CVHB-7A02	16、20T ATC ASSEMBLY	P20-1~P20-2
21	CVHB-9A01	OTHER ACCESSORY	P21-1~P21-2
22	CVHB-0A01	OIL PUMP PART	P22

AUTOMATIC TOOL CHANGER

DEX-2

INDEX :

1. Outside dimension
2. Parts list
3. Dismantled drawing
 - A. Input shaft :
 - B. Output shaft & motor :
 - C. Rocker part :
 - D. Signal sensor :
 - E. Dismantled step :
4. ATC illustration
5. DEX-2 stroke angle corresponding drawing
6. DEX-2 time chart
7. Deviation cover mounting direction
8. Cam adjustment method
9. Tool arm adjustment method
10. Lubrication