2021

300607 2022-025

123101

2021

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0.25 0 10 0

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			300607
	2		2
	0769-85845562		0769-85845562
	0769-82893316		0769-82893316
	topstar@topstarltd.com		topstar@topstarltd.com

IP20 22KG 0.43s

TR005-HP600 5KG 10KG 800mm ±0.02mm
IP20 28KG 0.46s

TR005-HP700 5KG 10KG 800mm ±0.02mm
IP20 30KG 0.45s

TRH015-HP800 15KG 25KG 800mm ±0.03mm
IP40 52KG 0.45s

TRH015-HP1000 15KG 25KG 1000mm ±0.03mm
IP40 55KG 0.45s

DELTA

DELTA 5 TSP080-03-A TSP120-08-A TSP160-08-A TR008-PP1200 TSP180-15-A 3KG 8KG 8KG 8KG 15KG 3C

TSP080-03-A 3KG 800*300 ±0.1mm ±0.4 °
360 ° 0.28s IP54 66KG

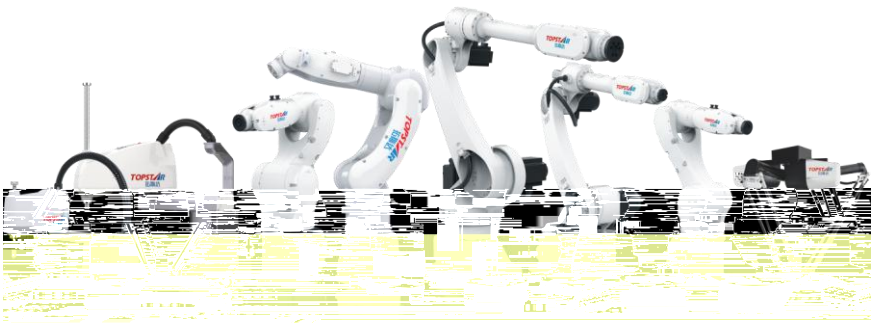
TSP120-08-A 8KG 1200*300 ±0.1mm ±0.4 °
360 ° 0.3s IP54 95KG

TSP160-08-A 8KG 1600*300 ±0.1mm ±0.4 °
360 ° 0.3s IP54 105KG

TR008-PP1200 8KG 800*300 ±0.1mm ±0.1 °
360 ° 0.27s IP20 100KG

TSP180-15-A 15KG 1800*300 ±0.1mm ±0.4 °
360 ° 0.3s IP54 105KG

SCARA 3 3
DELTA 1 SCARA 15KG 800mm
1000mm 5KG
7KG,
700mm 900mm 20KG
DELTA 15KG 3C



2021

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600/800/900mm 900/1100/1500/1700mm 75-1300

GU80S

GU80S

MD-90s

10KG ±0.1mm

5		CCD	
6			
7	VOC		
8		FPC	
9	AR	PVD AR CCD	3C
10			3C
11		4	3C
12		52 Tray Tray	3C
13	PVD	6	Pad
14		tray tray tray tray	Pad
15		logo	
16			LCD
17			
18	pad		
19			3C LCD

20			3C LCD
21		SEMEMA	3C LCD
22	CCD PVD)	Tray CCD	
23			
24			
25	3D	2.5D 3D	
26			3C
27			
28			3C
29			3C
30	CG		

45.78%

2020 39.1% 6.68

5

3C 15,717.23 45.81%
7,582.95 22.10% 5,704.80 16.63% 5,304.11 15.46%

2

TM TH
TE 90T 5500T TMII
TM

TM

TMII TM TM

3C

TH TH

2021

TE TE

80T-230T

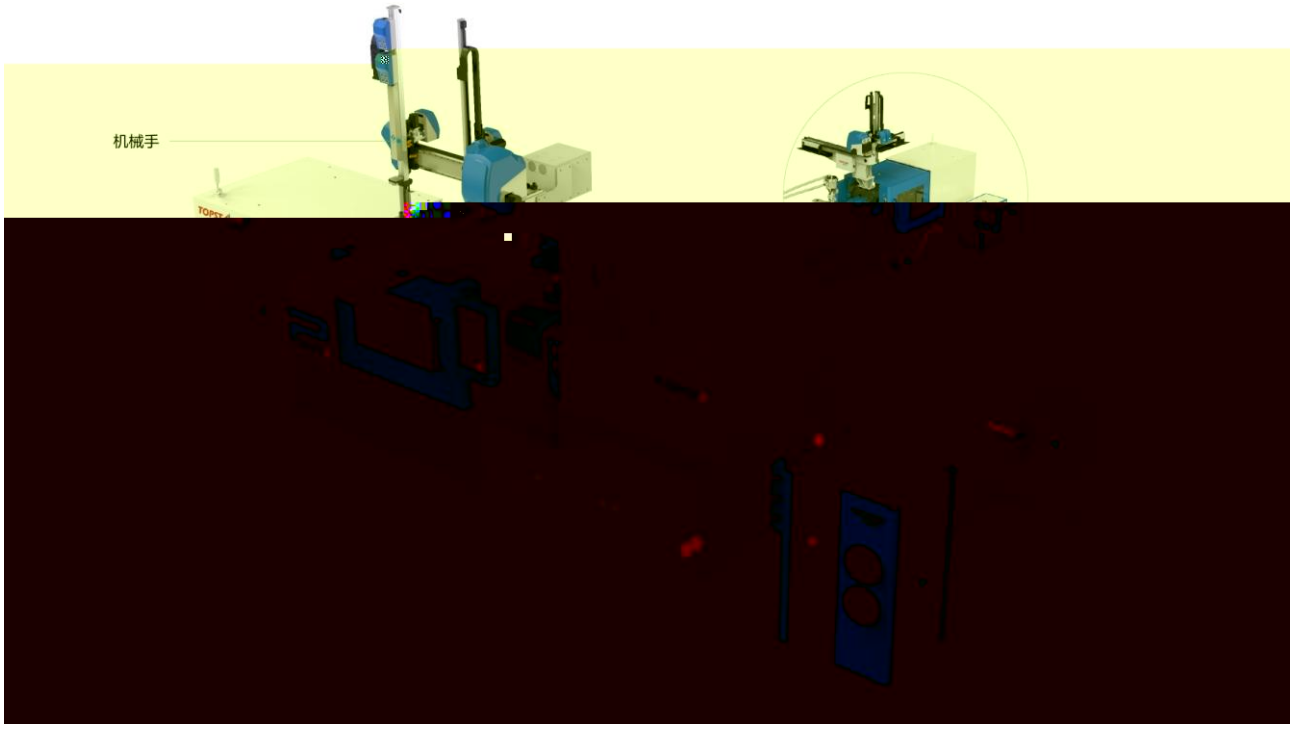
TMII

TM90II TM130II

TM170II TM220II TM260II TM330II TM400II TM470II 8

2022 TS

3C



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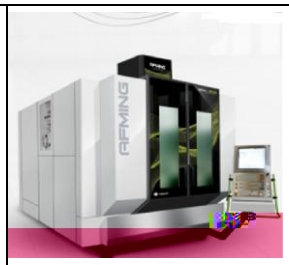
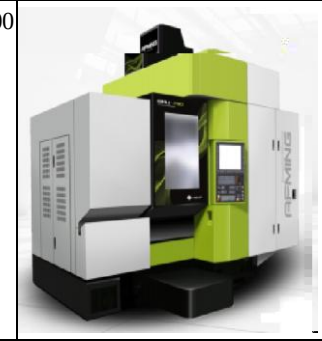
3

X Y Z A B C

1

1	GMU800/600		GMU800 GMU600 GMU800 AVI GMU800EVO AVI Z EVO 800mm GMU600 500mm XYZ AC	
2	GMU750/400		700/400mm AC C M6 D3	GMU750
3	HMU140P		X A Y B HSK A100	
4	GMU2518		X X Z Y C A FEA	
5	G1000/G1800		6 rpm 4 rpm 0.001mm	

6	HSC26G\HSC30G		HSK E40-30000RPM 12KW 7.2N.m	3D
7	TC/HT /		Y	
8	1100\1300\1600\1600H		HSKE40\63 2 FEA 1600H Z	

2

1

BT40-12000 D1 D2
D3 M6

2

GTRT
A/C
DDR
GMU800 GMU750
GMU750 GMU400
HMU140P GMU600

3

AC

A ±120° C ±360°

4

TC/HT

5

AC FEA
GMU2518

6 OAU-100

AC

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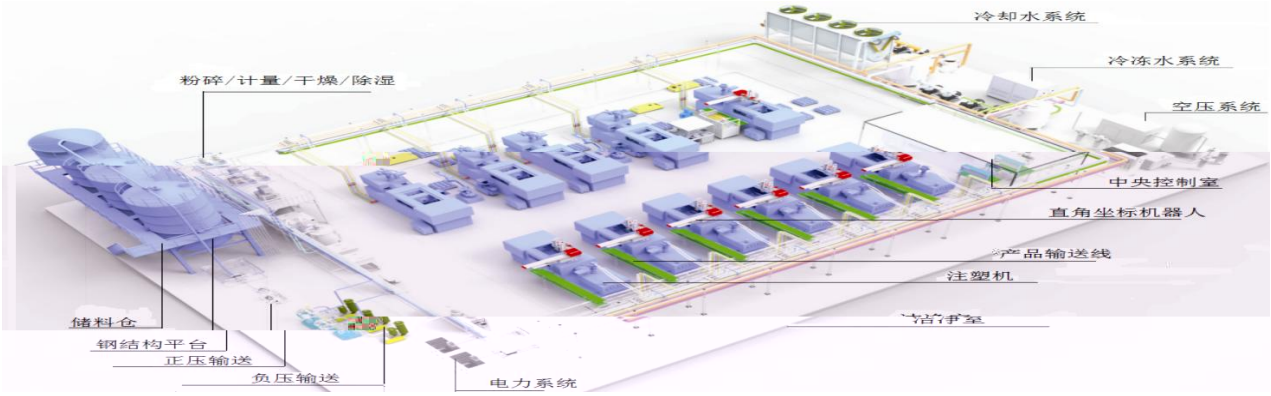

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IO EtherCAT

PLC

IEC61131-3

EtherCAT RTEX MECHATROLINK CAN

SCARA DELTA

PLC

AI

OMP

AI

/

6

1		SoC SoC SoC SoC SoC Linux OCM		
2		RTOS 2ms 0.5mm CAN TCP/IP OPC Modbus PID ±1		
3		1. 1.0 TTW ±0.3 Modbus RTU 2. 2.0 TTWP 7 ±0.1 3. 2.0 7 ±0.2 Modbus RTU 4. 1.0 7 ±1 Modbus RTU		
4	TMCR1000	TMCR1000 PLC IO PC CPU EtherCAT RTEX MECHATROLINK CAN		
5	TMCP1000	TMCP1000 TMCR1000		

6		850W 4.7A CAN CANopen 0.05mm <5.6s		
7	22KW	22KW 100A CAN CIA301/DS402 STO 1bar		22KW
8		850W 4.7A CAN CANopen 0.05mm <5.6s		
9	37KW	37KW 150A CAN CIA301/DS402 STO 1bar		
10		1. 8 1.5kW; 2 3 4 5 EtherCAT 6 STO		

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2021

	3,292,734,230.03	2,755,439,646.69	19.50%	1,660,363,365.82
	65,395,277.18	519,711,721.61	-87.42%	186,573,823.78
	28,788,540.27	496,842,535.67	-94.21%	183,320,939.38
	-328,811,706.83	1,004,240,213.22	-132.74%	122,201,250.28
/	0.15	1.09	-86.24%	0.78
/	0.15	1.08	-86.11%	0.78
	2.98%	27.23%	-24.25%	18.07%

2

	790,865,109.19	763,395,144.49	734,982,898.09	1,003,491,078.26
	92,082,922.50	35,957,151.65	4,436,166.05	-67,080,963.02
	89,068,922.98	31,099,507.62	-1,906,946.62	-89,472,943.71
	-498,512,931.10	72,675,140.56	-187,482,564.63	284,508,648.34

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1 **10**

39,787 36,371 0

		1.06%	4,518,107	0		
		0.56%	2,404,745	0		
		0.48%	2,028,320	0		
		0.43%	1,843,800	0		
		0.38%	1,606,600	0		

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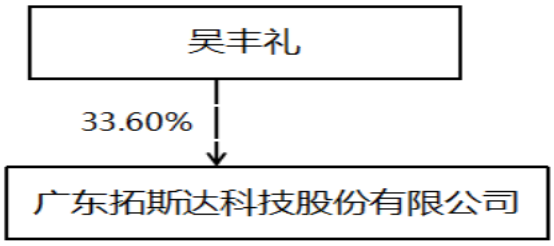

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		123101	2021 03 10	2027 03 09	66,977.16	0.30%

2

AA AA

2021

3 **2**

	2021	2020	
	63.95%	46.48%	17.47%
	2,878.85	49,684.25	-94.21%
EBITDA	8.88%	136.01%	-127.13%
	3.03	68.2	-95.56%