

# Overview of the functions of the Cypcut cutting system for plate cutting

## Basic parameters

	1000S	2000C	2000S	8000
最大空移加速度 Maximum null shift acceleration	1G	1.5G	2G	5G
最大加工加速度 Maximum machining acceleration	1G	1.5G	2G	5G
最大空移速度 Maximum air speed	100 m/min	No restrictions	No restrictions	No restrictions
最大加工速度 Maximum processing speed	100 m/min	No restrictions	No restrictions	No restrictions
适用功率段 Applicable power band	1000W	1000-3000W	2000-6000W	6000-30000W

## System Performance

	1000S	2000C	2000S	8000
实时总线 Real time bus (RTB)	-	-	-	√
BC-LINK	-	-	-	√



专用调高器 Dedicated height adjuster	-	√	√	√
力矩保护 Torque protection	-	-	-	√
寻边防扎 Search for border guards	-	√	√	√
PID 参数自整定 PID parameter self-tuning	-	-	-	√
柔性加减速 Flexible acceleration and deceleration	-	-	-	√
双驱防扭检测 Dual drive anti-torsion detection	-	-	-	√
龙门同步 Gantry synchronisation	-	√	√	√
干涉仪数据补偿 Interferometer data compensation	-	√	√	√
误差测定 Inaccuracy measurement	√	√	√	√

## Software Performance

	1000S	2000C	2000S	8000
吹气保护 Air-blowing protection	-	-	-	√
气压闭环 Air pressure closed loop	-	-	-	√
高速寻边 High-speed edge finding	-	-	-	√
寻边方式 Way of finding the edge	Manual	automatic	automatic	automatic
扫码导图 Scanning guide	-	-	√	√



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实时倍率调节 Real-time magnification adjustment	-	Optional	Optional	√
一键切断 Cutting off at the touch of a button	-	√	√	√
行程测量 Stroke Measurement	-	-	-	√
空移避障 Air motion obstacle avoidance	-	-	√	√
切断线功能 Cord Cutting Function	-	-	√	√
生产报告单 Production Report Form	-	√	√	√
保养模块 Maintenance module	-	-	√	√
图形自动优化 Automatic graphic optimisation	√	√	√	√
基本 CAD 功能 Basic CAD Functions	√	√	√	√
基本 CAM 功能 Basic CAM Functions	√	√	√	√
交换工作台 Switching workstations	√	√	√	√
拓展 IO Expand IO	√	√	√	√
排样 Rehearse	Simple nesting	√	√	CypNest
蛙跳式上抬 Frog Hop Uplift	√	√	√	√
断点记忆 Faulty memory	√	√	√	√
飞行切割 Flying Cut	√	√	√	√
广告字制作 Production of advertising letters	√	√	√	-
清洁喷嘴 Cleaning nozzles	-	√	√	√

## Advanced functions

	1000S	2000C	2000S	8000
视觉余料再生产 Visual waste reproduction	-	-	-	√
无限卷料 Unlimited Coil	-	-	-	√
双头切割 Double-head cutting	-	-	-	√
平面坡口 Flat Bevel	-	-	-	√
自动更换喷嘴 Automatic nozzle change	-	-	√	√

## Process performance

	1000S	2000C	2000S	8000
穿孔级数 Perforation level	Secondary perforation	Three-level perforation	Five-level perforation	Five-level perforation
闪电穿孔 Lightning piercing	-	-	√	√
穿孔除渣 Perforate and deslagrate	-	-	-	√
闪电切割 Lightning cuts	-	-	-	√
自动调焦 Autofocus	√	√	√	√
自动测焦 Automatic focus measurement	-	-	-	√
相纸检测 Photo paper testing	-	-	-	√



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起刀、收刀工艺 Starting and finishing process	-	-	√	√
振动抑制自适应 Adaptive vibration suppression	-	-	-	√
提前开气 Pre-initiation	-	-	√	√
气体冲刷 Gas flushing	-	-	√	√
气压 DA 矫正 Air pressure DA Correction	-	√	√	√
气路诊断 Airway Diagnostics	-	-	-	√
预穿孔与去膜次序设置 Pre-piercing and de-filming sequence setting	-	-	√	√
单图层精细切割 Single Layer Fine Cut	-	-	√	√