

Overview of the functions of the Cypcut system for pipe cutting

Basic parameters

	3000C	3000S	5000B(5000B-H)	5000A(5000A-H)
适配软件 Adaptor software	CypTube, CypCut	CypCut, TubePro	TubePro(HypCut)	TubePro(HypCut)
应用场景 Application Scenarios	Tube-sheet integrated machine Two chucks for feeding and cutting	Tube-sheet integrated machine Two chucks for feeding and cutting	Two-chuck feeding and cutting (tube-sheet integrated machine)	Three-chuck seven-axis drawing machine (tube-sheet integrated machine)

System Performance

	3000C	3000S	5000B	5000A
实时总线 Real time bus (RTB)	-	-	√	√
随控一体 Integrated with attendant controls	-	-	√	√
管心偏差补偿 Pipe centre deviation compensation	-	√	√	√
绝对式编码器 Absolute Encoders	-	-	√	√
卡盘避让 Avoid by chucking	-	-	√	√
切割头避让 Out of the way of the cutting head	-	-	√	√

误差测定 Inaccuracy determination	-	-	√	√
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Software Performance

	3000C	3000S	5000B	5000A
套料排样 Nesting and sizing	Simple Array	TubesT	TubesT	TubesT
一键对齐管头 Aligning Tube Heads with One Click	-	√	√	√
自动送料 Automatic feed	√	√	√	√
支架随动 Bracket follower	-	-	√	√
卡盘功能 Chuck function	-	√	√	√
保养模块 Maintenance module	-	√	√	√
一键切断 Cutting off at the touch of a button	√	√	√	√
飞行切割 Flying Cut	-	-	√	√
焊缝检测 Weld Inspection	-	√	√	√
曲线监控 Curve Monitor	-	√	√	√
测量轴测量管长 Measuring axis Measuring tube length	-	-	√	√
控制上料机动作 Controlled loading manoeuvres	-	-	√	√
与外部上料 PLC modbus 通讯 Modbus communication with	-	√	√	√

external loading PLC				
反切 Inverse tangent	-	-	-	√
时间预估 Estimated time	-	√	√	√
管面轮廓修正 Pipe Profile Correction	-	√	√	√
视觉监控 Visual monitoring	-	√	√	√
扩展 IO Extended IO	√	√	√	√
管重评估推算 DA Management reassessment projected DA	-	√	√	√
下料支架 Lowering bracket	-	√	√	√

Advanced functions

	3000C	3000S	5000B	5000A
三卡盘切割 Triple chuck cutting	-	-	-	√
七轴拉料 Seven-axis drawing	-	-	-	√
坡口切割 Bevel Cutting	-	-	-	± 25°

Process performance

	3000C	3000S	5000B	5000A
起刀、收刀工艺 Starting and	-	√	√	√



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finishing process				
预穿孔和去膜切割 Pre-perforation and debonding cuts	-	√	√	√
管拐角工艺 Pipe Cornering Process	-	√	√	√
单图层精细切割 Single Layer Fine Cut	-	√	√	√

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