



Value Propositions

- ▶ Reliability: Parallel process vs. serial process.
- ▶ Scalability: Align capital investment to market demand.
- ▶ Fast retool: Easy tool change for production flexibility.
- ▶ Less floor space: Up to 50%.
- ▶ Delivery: Short duration due to standard machine.
- ▶ Production: Reduced launch time.
- ▶ Improved material logistics: Single point delivery of material.
- ▶ Lean manufacturing: Reduction of WIP (Work In Process).
- ▶ Power and fluid consumption reduction.
- ▶ Nominal consumption auto learning function (option).
- ▶ Extra consumption monitoring and alert (option).
- ▶ Consumption data collection and cost analysis (option).
- ▶ Power, air and coolant consumption monitoring
Energy saving function management (Ecosmart, option).
- ▶ Plant energy supervision predisposed (option).

SMARTCELLCOMAU	UNITS	
Main Sizes		
Width	mm	2.200
Length	mm	4.800
Height	mm	3.100
Axis Stroke		
X Axis	mm	2.110
Y Axis	mm	2.000
Z Axis	mm	600
α (Alpha)	degree	225ccw - 135cw
β (Beta)	degree	15ccw - 15cw

Velocity and Force		
X-Axis		
Acceleration	m/Sec ²	2,5
Max speed	m/Sec	1,5
X Axis is rack and pinion drive		
Max load	kg	300
Max press force	kg	326
Accuracy	micron	±10

Y Axis		
Acceleration	m/Sec ²	4
Max speed	m/Sec	1,5
Y Axis will be rack and pinion drive		
Max load	kg	300
Accuracy	micron	±0,04

Z Axis		
Acceleration	m/Sec ²	5,50
Max speed	m/Sec	1
Z Axis is ball screw driven		
Max load (tool weight)	kg	150
Max force	kg	326
Accuracy	micron	±0,04

α (Alpha) Axis (rotational)		
Acceleration	Radian/Sec ²	12
Max speed	rpm	60
Accuracy	degree	±0,01

β (Beta) Axis (rotational - cylinder head Assy application)		
Acceleration	Radian/Sec ²	2,50
Max speed	rpm	4,50
Clockwise (+) rotation from "0"	degree	15
Counter clockwise (-) rotation from "0"	degree	15
Positional accuracy with maximum part mass	degree	±0,05

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