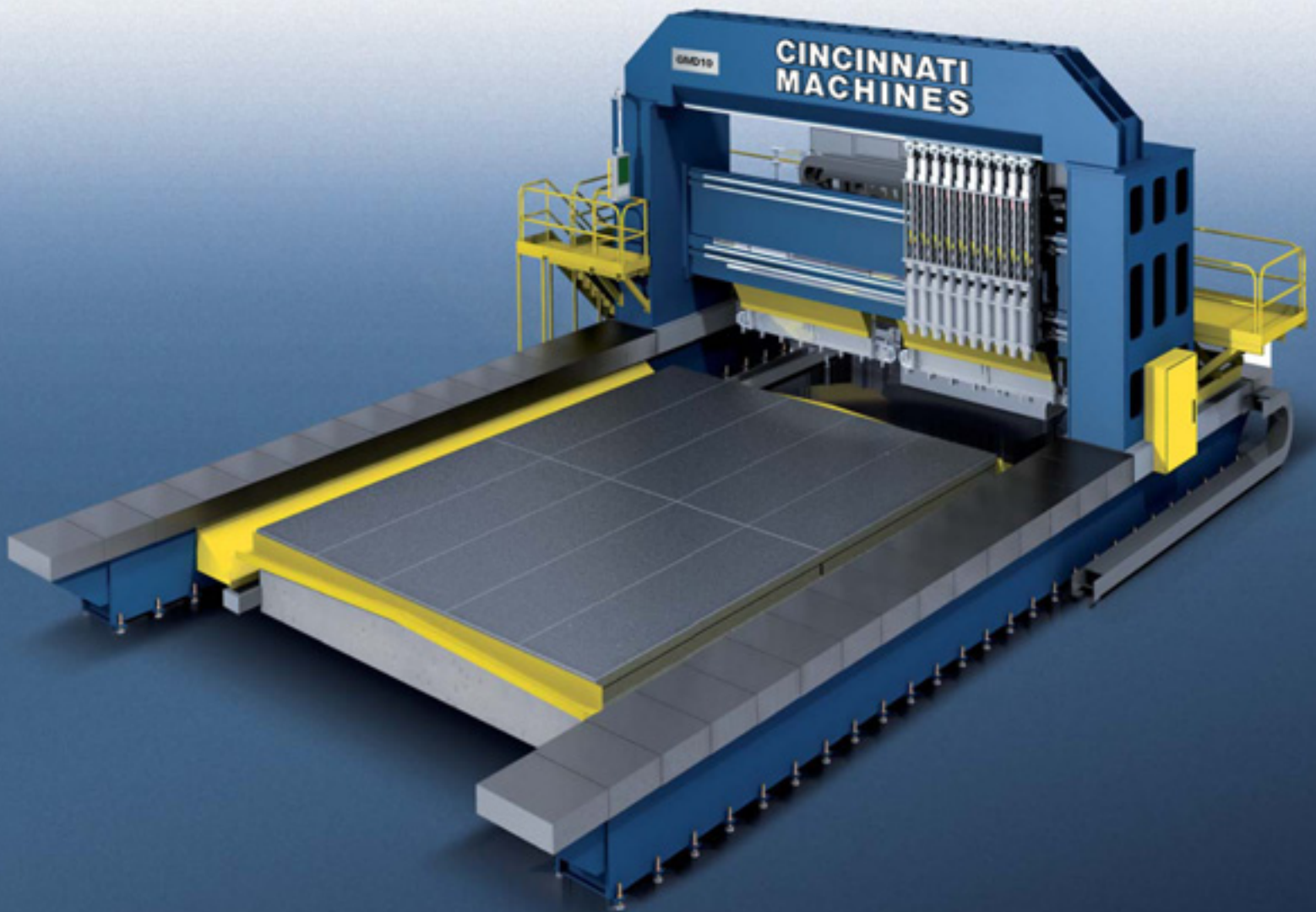


CINCINNATI MACHINES

GMD Series

World Class

GANTRY-TYPE
MULTI-SPINDLE DRILLING MACHINES



THE ULTIMATE DRILLING TECHNOLOGY

The ultimate technology for gantry multispindle drilling

TECHNICAL DATA			GMD-N 4 - 6 - 8 - 10
Working area - max.	mm	10000 ("X" axis) x 7000 ("Y" axis)	
Load capacity on the table	ton/m ²	5	
"X" axis rapid speed	mm/min	10000	
"Y" axis rapid speed	mm/min	10000 (Y1+Y10)	
"Z" axis rapid speed	mm/min	10000	
"X" axis stroke - max.	mm	12500	
"Z" axis stroke	mm	600	
Drilling depth - max.	mm	250	
Drilling diameter max.	HSS	mm	40
	Carbide insert	mm	63
	Trepanning	mm	115
Number of spindles		from 4 to 10 independent	
"Z" axis axial thrust	daN	2500 max. each spindle	
Centre distance between spindles	mm	270 min.	
Rotation speed each spindle	rpm	0+4500	
Spindle power each spindle	kW	22,2 (500+4500 rpm)	
Spindle torque each spindle	Nm	424 (0+500 rpm)	
Tools attachment		ISO 50 DIN 69871-A	
Tools clamping force	daN	1600 max.	
Spindle motorization		Siemens cooled electrospindles	
Centre distance adjustment		automatic by CNC	
Coolant flowrates	l/min	40 max. each spindle	
Coolant pressure	bar	20 max. each spindle	
Capacity of the coolant tank	l	6000	
Coolant filtration degree	μ	30	
Coolant adduction		internal/external	

TECHNICAL DATA			GMD 2 - 4
Working area - max.	mm	4000 ("X" axis) x 3000 ("Y" axis)	
Load capacity on the table	ton/m ²	5	
"X" axis rapid speed	mm/min	10000	
"Y" axis rapid speed	mm/min	10000 (Y1+Y4)	
"Z" axis rapid speed	mm/min	10000	
"X" axis stroke - max.	mm	4700	
"Z" axis stroke	mm	400	
Drilling depth - max.	mm	250	
Drilling diameter max.	HSS	mm	40
	Carbide insert	mm	63
	Trepanning	mm	115
Number of spindles		from 2 to 4 independent	
"Z" axis axial thrust	daN	2500 max. each spindle	
Centre distance between spindles	mm	270 min.	
Rotation speed each spindle	rpm	0+4500	
Spindle power each spindle	kW	22,2 (500+4500 rpm)	
Spindle torque each spindle	Nm	424 (0+500 rpm)	
Tools attachment		ISO 50 DIN 69871-A	
Tools clamping force	daN	1600 max.	
Spindle motorization		Siemens cooled electrospindles	
Centre distance adjustment		automatic by CNC	
Coolant flowrates	l/min	40 max. each spindle	
Coolant pressure	bar	20 max. each spindle	
Capacity of the coolant tank	l	3000	
Coolant filtration degree	μ	30	
Coolant adduction		internal/external	