

The capacity to deliver



- Excellent fraud discrimination
- Highest levels of performance and security
- Truly global design

Combining high speed, high security and high reliability with rugged construction, the Cyclone Hopper is built to meet demanding applications. Developed from our highly successful Compact Hopper – ideal for 95% of the world's coins – the Cyclone Hopper provides single-denomination coin or token payout.



CRANE PAYMENT INNOVATIONS

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Cyclone Hopper



There are three variants of the hopper: the standard Cyclone, the Cyclone Mid Capacity and the Cyclone High Capacity. Each has the same features and interfaces, but different dimensions and coin capacities.

Key Features:

- Excellent fraud discrimination
- Highest levels of performance and security
- Truly global design
 - accepts 95% of world's coin sets
 - reduces lead times, stockholding and costs
- Choice of interface
 - parallel interface
 - ccTalk serial interface
- Extendible or very high capacity
- Efficient use of available machine space
- Multiple optical sensors and stealth lightguide
- Auto-reverse for jam clearance
- High and low-level sensing
- Interchangeable discs for different size coins
- Fast payout, in 'single' or 'stream' mode

Technical Data: Cyclone Hopper

GENERAL

Dimensions mm (in) (HxWxD)			
Cyclone Std. Bowl	150 (5.9)	x 115 (4.5)	x 121 (4.8)
Cyclone 1x Ext. Bowl	208 (8.2)	x 115 (4.5)	x 121 (4.8)
Cyclone 2x Ext. Bowl	265 (10.5)	x 115 (4.5)	x 121 (4.8)
Cyclone Mid Capacity	186 (7.3)	x 202.5 (8.0)	x 230 (9.1)
Cyclone High Capacity	194 (7.64)	x 291 (11.46)	x 252 (9.92)
Coin Capacity*			
Std. Bowl	430 x €1	315 x £1	480 x US 25¢
1x Ext. Bowl	710 x €1	580 x £1	850 x US 25¢
2x Ext. Bowl	990 x €1	840 x £1	1200 x US 25¢
Mid Cap. Bowl	1840 x €1	1350 x £1	2060 x US 25¢
High Cap. Bowl	2000 x €1	1465 x £1	2230 x US 25¢
Coin Dimensions Range mm(in)			
Diameter	15 to 29.5 (0.591 to 1.162)		
Thickness	1.25 to 3.2 (0.050 to 0.126)		
Coin Payout Rate			
Stream mode	8 to 10 coins per sec		
Single mode	2 coins per second		
Voltage: (V DC) Nom/Min/Max			
Parallel 12V	12/10/14		
Parallel 24V	24/19/26		
Serial 24V	24/19/26		
Current typ. (A) Empty/Full/Surge			
Parallel 12V	0.60/1.50/5.00		
Parallel 24V	0.35/0.90/3.90		
Serial 24V	0.35/0.90/3.90		
Communications Interface	Parallel or Serial (ccTalk)		
Security - Optical protection	Multiple sensors and stealth lightguide		
Motor protection	Motor clamped in idle state (Serial version only)		
Unauthorised use (optional)	PIN code protection (Serial version only)		
Temperature range			
Operating	0°C to 60°C		
Storage	-20°C to 70°C		
Humidity range:	Up to 95% RH non-condensing		

* Coin capacities are approximate and not a guaranteed figure

Cyclone

The Cyclone has an extendible capacity within a small footprint, which means that it is suitable for many applications, especially the latest multi-pay machines. The capacity is extended by clipping up to two extension-bowls vertically onto the standard bowl.



Cyclone with 1 and 2 Bowl Extensions

Cyclone Mid Capacity

The Cyclone Mid Capacity hopper holds over 2,000 x US 25 cents in a compact bowl and is ideal in applications where a larger capacity is required but space is at a premium.



Cyclone Mid Capacity

Cyclone High Capacity

The unique design bowl of the Cyclone High Capacity meets the ultimate capacity needs of a gaming machine. The baseplate design ensures an easy slide-in/slide-out operation of the unit into the machine, whilst the handle enables comfortable carrying of the full hopper unit if required.



Cyclone High Capacity



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