

Product Line-up / Specification

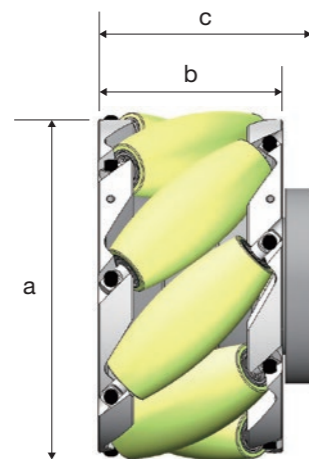
Type		Drive unit model		
Standard	Unit	RVW-10PG	RVW-14PG (Under development)	RVW-20PG (Under development)
Suggested motor capacity*	W	400	2,000	3,000
Wheel diameter	mm	254	355	508
Maximum speed	m/min	60	60	60
Loading capacity / wheel	kgf	500	1,500	2,500

*Subject to change depending on operating conditions

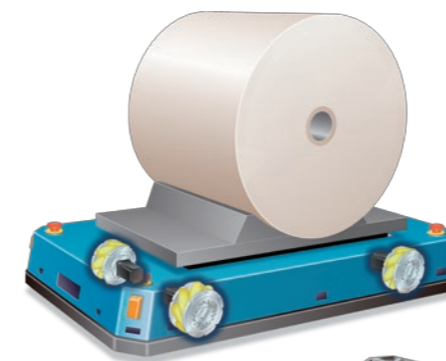
Outer Dimensions

Type		Drive unit model		
Standard	Unit	RVW-10PG	RVW-14PG (Under development)	RVW-20PG (Under development)
Wheel diameter (a)	mm	254	355	508
Wheel thickness (b)	mm	134	190	280
Total length (c)	mm	147	224	315
Weight*	kgf	(36)*	(96)*	(210)*

*Subject to change depending on motor



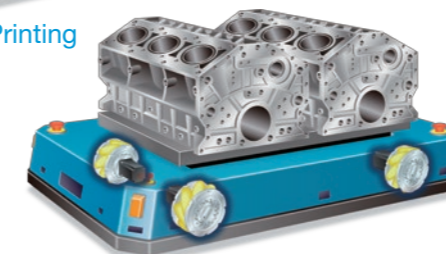
Integrated Mecanum Wheel



Printing



Automobile parts



Machine parts



Construction materials



An in-wheel drive unit ideal for large AGVs, combining high load resistance with high reliability

This is achieved by utilizing the high-precision processing technology and assembly techniques of the Precision Reduction Gear RV™, which can be found in industrial robots worldwide.

Do these problems sound familiar?

You want to transport heavy objects, but there are no suitable Mecanum wheels...

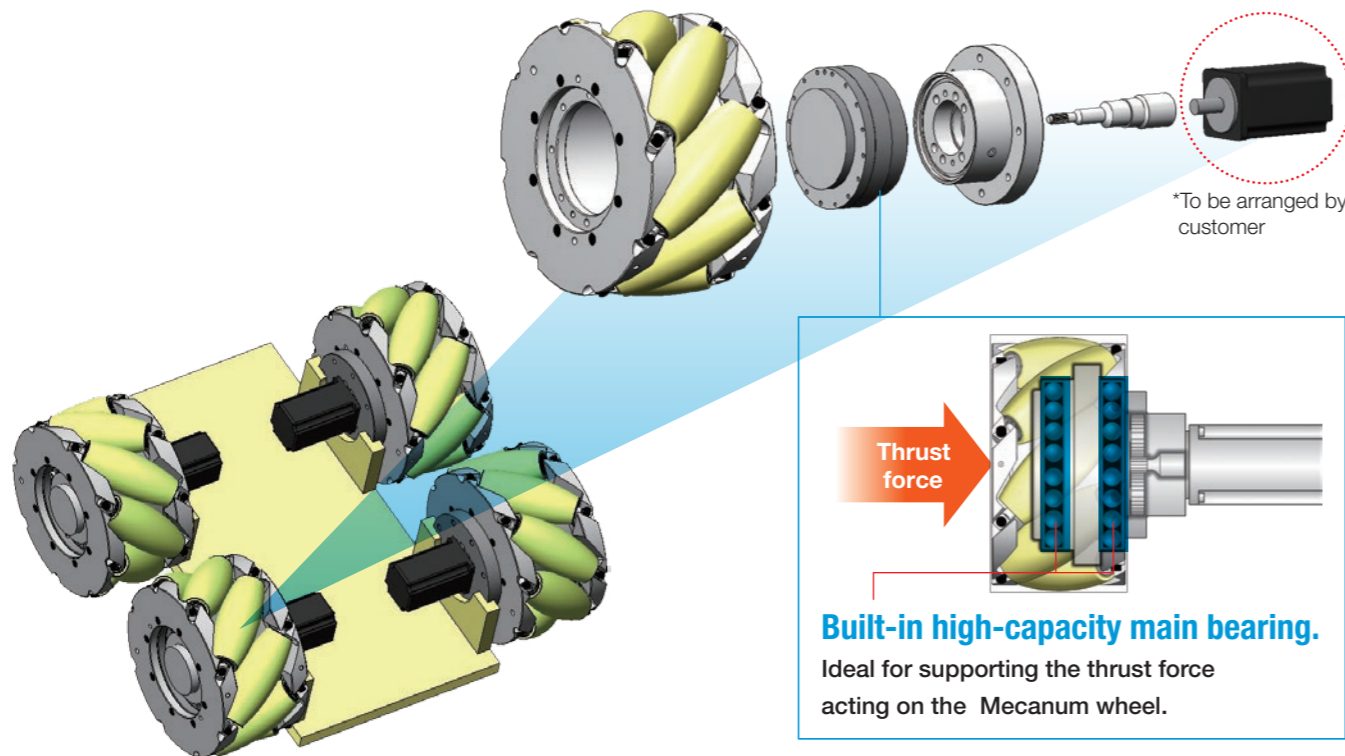
Assembly is very complicated, with multiple parts...

Each separate part is large, and once assembled the resulting AGV is not compact...



Introducing the ideal solution- A Mecanum Wheel AGV Drive Unit!

This newly developed product integrates a Mecanum wheel and Precision Gear RV™.



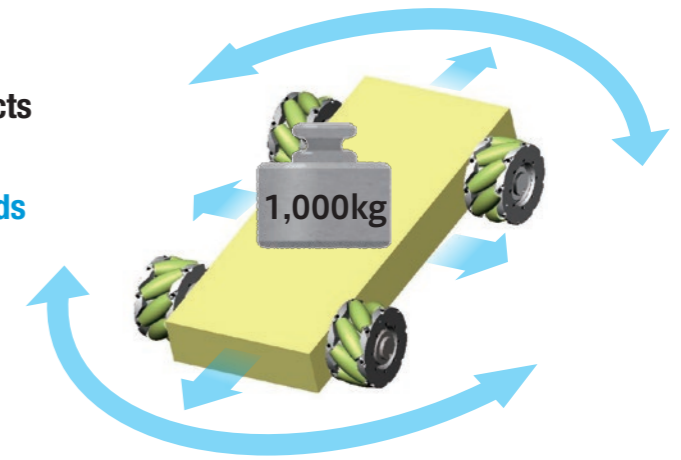
Solving your AGV problems: The RVW Series!

High Payload

With the Mecanum wheel, heavy objects can be easily transported!

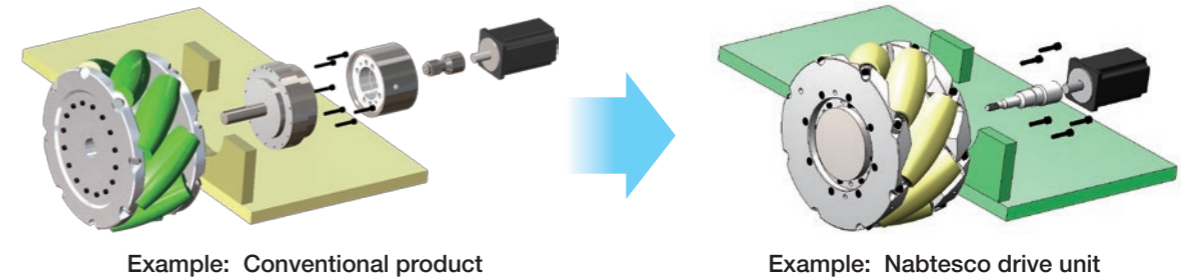
Mecanum wheel suitable for high loads is currently under development.

Example (RVW-10PG)
Loading capacity 500 kgf / Mecanum wheel



Easy Installation

Mecanum AGV assembly made simple!
Just install the Mecanum Wheel Drive Unit onto the AGV frame.

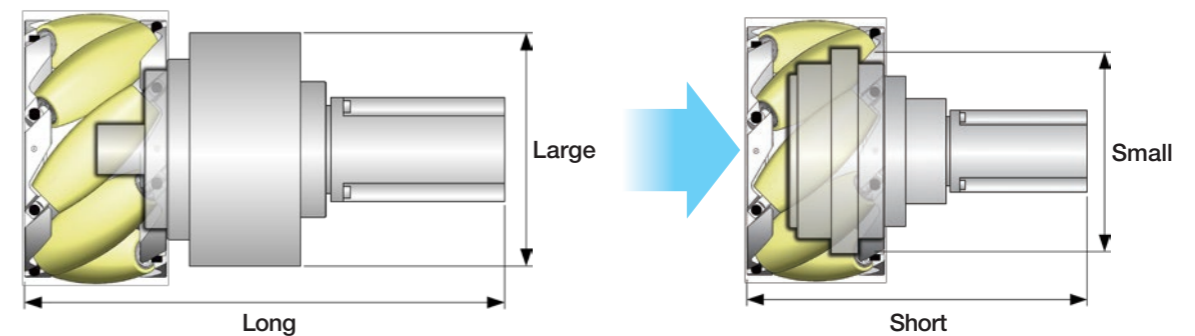


Example: Conventional product

Example: Nabtesco drive unit

Compact

Making compact AGV designs possible!
Uses an in-wheel structure.



Example: Conventional product

Example: Nabtesco drive unit