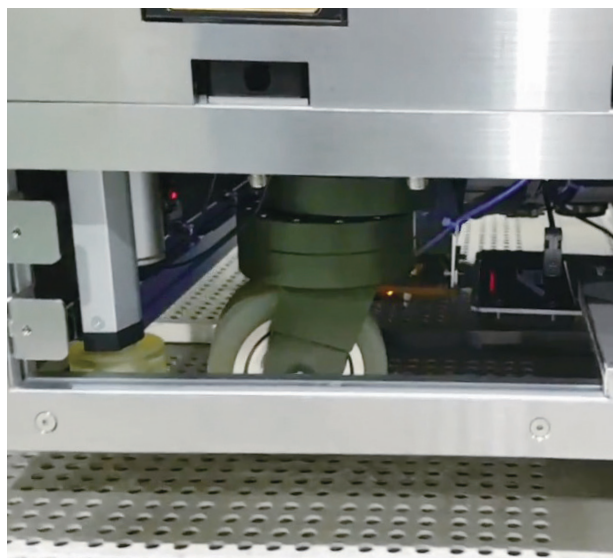
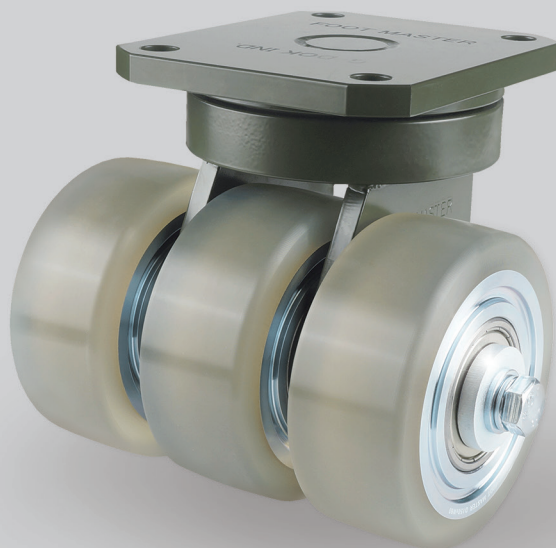


PREMIUM Custom-Made CASTERS



Custom-Made Wheels

SPECIAL CASTERS



50~15,000kg



Our custom casters are specifically designed to meet very specific and extreme environmental conditions, providing the best solution.

<p>9</p> <p>Heavy duty caster Automobile, Machine line / 1,500kg</p>	<p>10</p> <p>Heavy duty caster Automobile, Machine line / 2,700kg</p>	<p>11</p> <p>Special-purpose caster Chemical, Salt field / 700kg</p>	<p>12</p> <p>Special-purpose caster Marine crane, Machine line / 700kg</p>
<p>13</p> <p>AGV Caster Semiconductor & Automobile lines / 500kg</p>	<p>14</p> <p>AGV Caster Electronic, Machine / 600kg</p>	<p>15</p> <p>Heavy duty Shock-absorbing caster Heavy Industry Logistics Equipment / 5,700kg</p>	<p>16</p> <p>AGV Caster CUSTOM AGV CASTER / 1,000kg</p>
<p>17</p> <p>AGV Caster (3 in 1) Dual Swivel+Tilting+Shock-Absorbing</p>	<p>18</p> <p>AGV Caster (2 in 1) Dual Swivel+Shock-Absorbing</p>	<p>19</p> <p>AGV Caster 3WHEEL AGV CASTER / 2,000kg</p>	<p>20</p> <p>AGV Caster Custom-Made / 1,000kg</p>
<p>21</p> <p>HEAVY DUTY LEVELING CASTERS Machine-Related, Semiconductor / 1,500kg</p>	<p>22</p> <p>HEAVY DUTY CASTERS Heavy Industry Logistics / 7,000kg</p>	<p>23</p> <p>AGV Caster CUSTOM AGV V Type SCP / 1,500kg</p>	<p>24</p> <p>TURTLE Caster Custom-Made Turtle Casters / 2,000KG</p>
<p>25</p> <p>AGV / AMR Caster Compact Parking Robot / 700kg</p>	<p>26</p> <p>HEAVY DUTY CASTERS Airplane Engine Cart / 5,000kg</p>	<p>27</p> <p>Heavy duty Shock-absorbing caster Airplane Engine Cart / 3,000kg</p>	<p>28</p> <p>AGV / AMR Caster Semiconductor CCMR AMR / 1820kg</p>

The Pride of Top Quality
FOOT MASTER®

PREMIUM WHEELS



PREMIUM WHEEL

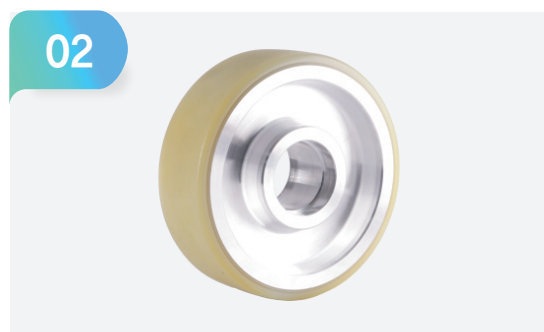
FOOT MASTER premium wheels are produced with the best technology and over 40 years of know-how. The wheels for OHT, AGV, AMR and stockers are high performance products recognized by global customers.

FOOTMASTER Premium Wheel Types



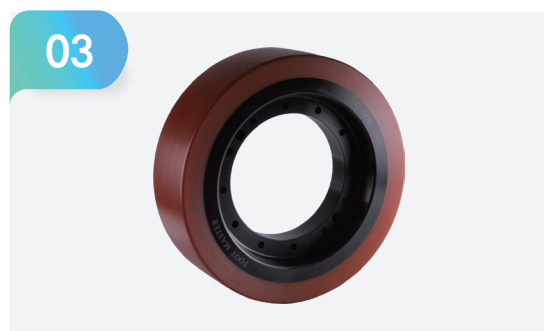
OHT / OHS Wheel

- Excellent for high-speed & impact on curve area
- Excellent for dusts, peeling, and cracking issues
- Excellent durability for long-term use
- Verified by semiconductor and electronics customers



AGV / AMR Wheel

- Excellent for reducing slipping issues
- Special material available for less skid marks
- Recognized by international AGV AMR makers



STOCKER Heavy Equipment Wheel

- Excellent for heavy loads and high temperatures
- Excellent dynamic characteristics for stable driving
- Excellent for peeling and cracking
- Chosen by electronics and cleanroom customers



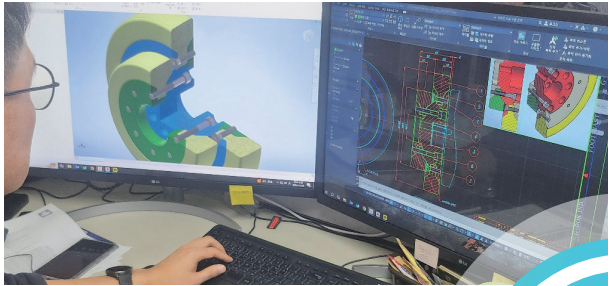
ROLLER

- Excellent for various material handling facility
- Excellent dynamic characteristics and durability
- Economical but premium wheels

FOOT MASTER®

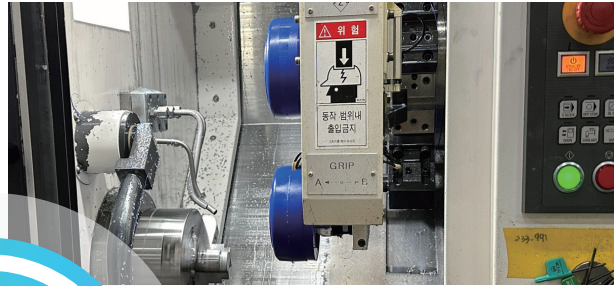
Custom-Made Wheels

Why should we select FOOT MASTER® Premium Wheels?



1. Wheel design engineering

- Advanced design for driving
- Consulting on performances improvement



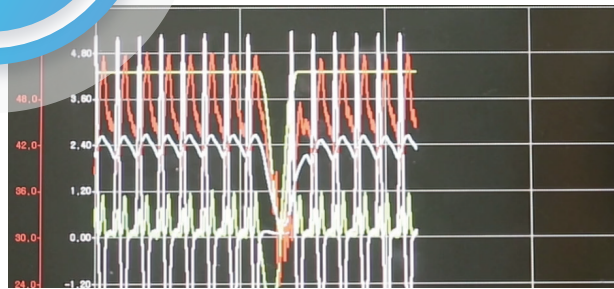
2. Manufacturing technology

- Latest urethane casting technology
- 40 years of know-how



3. High-quality urethane

- Special recipes for each urethan
- Various options by purpose (13 types)



4. Quality management

- Precise inspection and testing
- Traceable history system

Four Distinctive
Advantages

Applications



STOCKER



OHT / OHS



Logistics Center



AGV



Automobile Assembly Line



Theme Park

Custom-Made Wheels

OHT OHS Wheels



50~8,000kg



This is a high-quality wheel that has excellent high-speed and curved section driving performance, is resistant to dust, peeling, and cracking even in extreme conditions, and has superior durability.



AGV/AMR Standard Wheel

Premium AGV/AMR Wheels



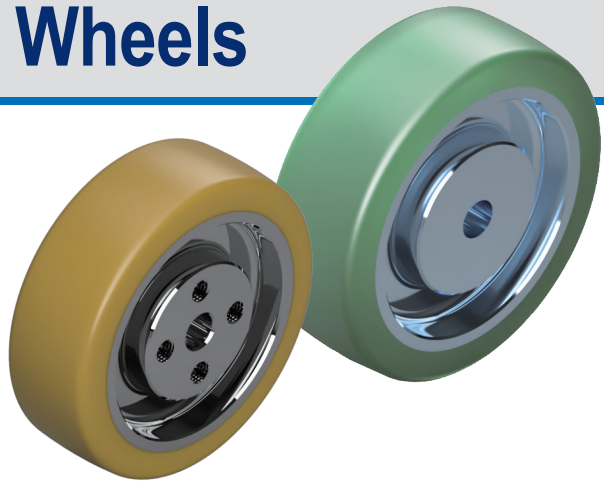
520~1,960kg



Standards-Based Wheels + Realize the best performance with various option combinations.

Wheel selection guide

Step1	Wheel Core material selection Steel Aluminum
Step2	Wheel type selection Basic type Keyhome type Flange type Bearing type
Step3	Selection of surface treatment Zinc plated Electroless nickel plated White soft anodized
Step4	Polyurethane material selection Selection of polyurethane hardness suitable for load/application



No.	Standard	Models	Dimension(mm)						Allowable load(kg) by polyurethane hardness(Shore A)		
			Wheel dia	Wheel width	Hub dia	Hub length	Axle bore	PU tread thickness	80A	90A	95A
1	W-D150xW50	W-D150xW50-HW50-25H7	150	50	65	50	25	16.5	520	650	730
2	W-D160xW50	W-D160xW50-HW50-25H7	160	50	65	50	25	17.5	570	710	790
3	W-D180xW60	W-D180xW60-HW60-30H7	180	60	80	60	30	18.5	760	940	1,050
4	W-D200xW60	W-D200xW60-HW60-30H7	200	60	92	60	30	21.5	900	1,110	1,250
5	W-D250xW80	W-D250xW80-HW80-40H7	250	80	114	80	40	23	1,410	1,750	1,960

※ The allowable load specified in the table is the maximum allowable load under the condition of 4 km/h(Running speed).

The allowable load may vary depending on the purpose of the wheel (Drive, Idle, etc.) and the conditions of use (speed, continuous operation time).

※ Anti-static is available($10^8 \sim 10^9 \Omega \text{cm}$)

Step2

Wheel type selection : Various shapes other than BASIC axle bore can be changed.

※ For detailed dimensions, please refer to the drawings on the website
(Please use the template drawings to modify the parts you want)

Wheel shape	BASIC type	KEYHOME type	FLANGE type	BEARING type		
Etc.	AGV/AMR Wheels of various sizes can be made to order					

Step4

Polyurethane material selection

[TDI wheels]

Excellent dynamic characteristics and suitable for various applications. It is an ether or ester material and has excellent dynamic properties due to its high tensile strength and tear strength.

- Applicable polyurethane hardness : 80A/90A/95A
- The lower the polyurethane hardness, the higher the friction resistance, the less slipping

[Premium PPDI/NDI wheels]

Excellent abrasion resistance/tear strength, resulting in less particle generation and high durability against cracks. Excellent rebound elasticity, the best urethane grade

- Applicable polyurethane hardness : 95A

Customized Wheels

AGV / AMR Wheels

 50~8,000kg

 RoHS

It not only improves the driving performance of mobile robots by reducing the slipping issues, but also allows for the selection of various materials that can minimize wheel marks.

<p>1</p>  <p>AGV/AMR drive wheel D200 x W100(STEEL CORE)</p>	<p>2</p>  <p>AGV/AMR drive wheel D150 x W50(AL CORE)</p>	<p>3</p>  <p>AGV/AMR drive wheel D100 x W30(STEEL CORE)</p>	<p>4</p>  <p>AGV/AMR drive wheel D200 x W50(STEEL CORE)</p>
<p>5</p>  <p>LGV drive wheel (PPDI) D230 x W80(STEEL CORE)</p>	<p>6</p>  <p>AGV/AMR drive wheel D300 x W120(STS CORE)</p>	<p>7</p>  <p>AGV guide wheel(PPDI) D200 x W50(AL CORE)</p>	<p>8</p>  <p>AGV drive wheel(PPDI) D300 x W100(AL CORE)</p>
		<p>9</p>  <p>LGV guide wheel D250 x W180(STEEL CORE)</p>	<p>10</p>  <p>Robot drive wheel D200 x W40(AL CORE)</p>
 <p>Robot wheel D100 x W25(AL CORE)</p>		 <p>Robot drive wheel D100 x W30(STEEL CORE)</p>	
			

Customized Wheels

STOCKER Wheels



50~8,000kg



Suitable for large and heavy loads, high heat resistance, excellent dynamic characteristics, stable driving performance, peeling and crack resistance, long-term use.

1

STOCKER drive wheel(PPDI + ESD)
D240 x W60(AL CORE)

2

STOCKER drive wheel(PPDI + ESD)
D400 x W120(AL CORE)

3

STOCKER drive wheel(PPDI + ESD)
D300 x W60(STEEL CORE)

4

STOCKER drive wheel(PPDI)
D350 x W140(AL CORE)

5

STOCKER drive wheel (NDI)
D500 x W170(AL CORE)

6

STOCKER drive wheel (PPDI + ESD)
D520 x W190(AL CORE)

7

STOCKER guide wheel(PPDI + ESD)
D80 x W35(STS CORE)

8

STOCKER guide wheel(PPDI)
D60 x W25(AL CORE)

9

STOCKER drive wheel(TDI)
D180 x W60(AL CORE)

10

MINI STOCKER drive wheel(PPDI)
D210 x W80(STEEL CORE)

11

STOCKER drive wheel(PPDI + ESD)
D300 x W60(AL CORE)

12

STOCKER drive wheel(PPDI + ESD)
D500 x W170(AL CORE)