

## [Company Profile]

Headquarters	WADECO Bldg., 1-12-9 Meishin-cho, Amagasaki City, Hyogo Prefecture 661-0021, Japan
Phone	+81-6-6482-3838 (main phone)
Website	<a href="http://www.wadeco.co.jp/en/index.html">http://www.wadeco.co.jp/en/index.html</a>
No. of employees	15
Capital	10 million yen
Founding	January 10, 1984
Representative	Hayae Kayano, President

## [Business Overview]

Blast furnace profile meters

Microwave sensors

Factory automation equipment for the wire-making industry

## [Technology]

**Reliable technological prowess for the future!**

**Simplified Profile Meters**



2D Profile Meter



3D Profile Meter

WADECO Co., Ltd., a company that has developed unique products using its excellent control technology and precise measurement sensors, is a world-renowned manufacturer of 2D and 3D blast furnace profile meters made by utilizing 2D and 3D technologies.

At present, taking advantage of our sensor technology, we are engaged in further development of a versatile 3D profile meter for more uses than just blast furnaces. Our new device, called the “Simplified Profile Meter,” combines a mechanical scanning system and a 79 GHz rangefinder, enabling a 3D surface map to be displayed on a computer screen.

As the product name suggests, the Simplified Profile Meter is characterized by its compactness and simplicity;

yet, the product can display a 3D surface map and sectional profile at selectable angles based on actual measurement data, boasting a maximum measurement distance of 15 meters.

Simple sensors like this can be used for trash incinerators and other general equipment to improve performance efficiency.

### **[History of development]**

President Hayae Kayano makes a habit of combining a wide variety of collected information in his head. He declares that the combined information provides him with inspiration and ideas. The simple-structure 2D and 3D profile meters using new sensors were also invented in this way. Conventional profile meters equipped with a lance require a rangefinder to be taken in and out from a blast furnace full of dust at high temperatures and pressures. Seeing this disadvantage of lance-equipped profile meters, President Kayano considered how to work around the issue, resulting in the invention of the new profile meters.

### **[Originality]**

The millimeter-wave sensor does not require the profile meter to be taken in and out from the blast furnace, resulting in a simple, space-saving structure. Furthermore, it can measure and indicate a profile for every feeder rotation. Measurement and indication of descending speed are also available. With a valve, the profile meter can be separated from the inside of the blast furnace, and requires no platform installation. These features have resolved all issues related to lance-equipped profile meters.

### **[Future development]**

At present, we are working on developing a simpler profile meter. Realizing this meter will help enable easier handling of products and reduce production costs by a factor of approximately 10.

## **[Corporate History]**

- 2017 Certified as a Hyogo “Only-One” Company
- 2016 Changed the company name to WADECO Co., Ltd. and relocated the headquarters
- 2015 Participated in an exhibition at METEC (Dusseldorf, Germany)  
Completed development of the Lanceless 3D Blast Furnace Profile Meter
- 2014 Completed development of the Lanceless 2D Blast Furnace Profile Meter
- 2013 Established Korean Branch
- 1984 Established Wire Automatic Device Co., Ltd.