World Robotics Industrial Robot Installations Database - Data Availability Chart

Breakdown by country and application



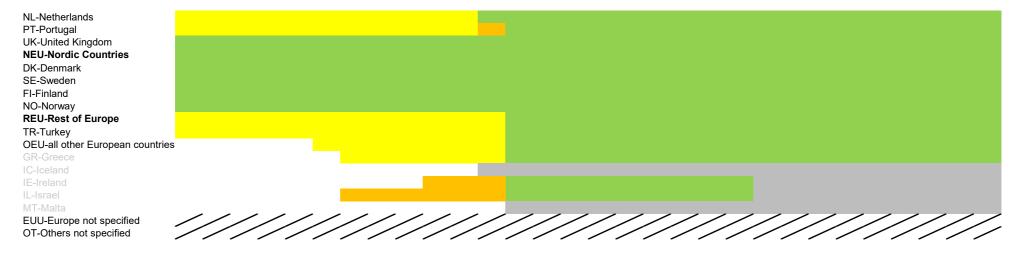
Note: Due to compliance rules, some specific data points might not be available although their superior class is available.

Note: Cleanroom applications were not surveyed before 2005 and pick&place was added in 2004.





TW-Taiwan TH-Thailand VN-Vietnam OSAS-other South/East Asia HK-Hong Kong RAS-Rest of Asia IR-Iran KW-Kuwait OM-Oman QA-Quatar SA-Saudi Arabia AE-United Arab Emirates UZ-Uzbekistan OA-Other Asia AUNZ-Australia/New Zealand Data for AU includes NZ and is hence equal to data for AUNZ before 2005. AU-Australia NZ-New Zealand **EU-EUROPE** CEU-Central/Eastern Europe CZ-Czech Republic **HU-Hungary** PL-Poland RO-Romania **RU-Russian Federation** SK-Slovakia YUG-Balkan Countries OEE-other Eastern Europe WEU-Western Europe AT-Austria BE-Belgium CH-Switzerland DE-Germany ES-Spain FR-France IT-Italy



Contact: VDMA Services GmbH - World Robotics - Lyoner Str. 18, 60528 Frankfurt am Main, Germany, statistics@ifr.org As of 2021-10-28

World Robotics Industrial Robot Installations Database - Data Availability Chart

Breakdown by country and customer industry



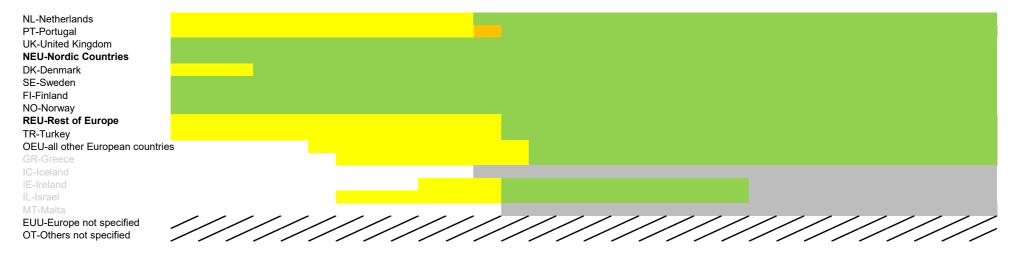
Note: Due to compliance rules, effective since 2014, some specific data points might not be available although their superior class is available.

Note: IFR industry classification was refined several times, hence not all classes are available for the full time span (e.g. sub-classes of automotive parts, electronics, and plastics/chemicals)

1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022 **WR-WORLD AFR-AFRICA** ZA-South Africa ROA-Rest of Africa EG-Egypt MA-Morocco TN-Tunisia OAF-Other Africa **AM-AMERICA** NAM-North America **US-United States** Data for the US includes MX and CA and is hence equal to data for NAM before 2011. CA-Canada MX-Mexico **SAM-South America** BR-Brazil RAM-Rest of South America AS-America, not specified ASI-ASIA/AUSTRALIA **SAS-South East Asia** CN-China IN-India ID-Indonesia JP-Japan MY-Malaysia SG-Singapore KR-Rep. of Korea







Contact: VDMA Services GmbH - World Robotics - Lyoner Str. 18, 60528 Frankfurt am Main, Germany, statistics@ifr.org As of 2021-10-28