



## ROBOGRIND: ROBOTISED GRINDING CELLS

With ROBOGRIND range, MAUS has leveraged all of its years of experience in the sector, applying its expertise to robots that can manipulate either the part being processed or the tool carrying out the processing operation. The company's expertise has made it possible to extend its grinding solutions to include automated robotised process for single parts weighing up to 10000 kg (22000 lb). The robotised solution affords high versatility, which is particularly useful in relation to the production of similar structure. This allows the end user to have access to a solution that benefits from unmanned production, with fully automated handling and palletisation. Wherever possible,

the robotised cell enables the user to organise the manufacturing operations with minimal supervision: the part is identified, loaded, ground and then replaced on the conveyor or pallet, ready for the subsequent operations. The input of the operator is thus reduced to a minimum and is almost exclusively geared towards guaranteeing the correct logistics of the cell, at the input (unprocessed parts) and output (ground parts) stages. Robot and flexible grinding machines enable the resolution of a multitude of manufacturing issues relating to feasibility,

economic viability and the safety of the working environment and of complex tasks that can be only carried out with recourse to specialist manpower, which is becoming increasingly difficult to source.

The robotised solution is particularly suited to the grinding of large, heavy parts, where it is preferable to manipulate and orient the tool rather than the part itself. This option is made possible thanks to the availability of robots with wide operational fields and payload capacity for fixtures and tools of up to 1500 kg (3300 lb).

| ROBOGRIND Series | Max. part weight |         | Swing |      | Max. part height |      |
|------------------|------------------|---------|-------|------|------------------|------|
|                  | kg               | lb      | mm    | inch | mm               | inch |
| ROBOGRIND Series | 1-10000          | 2-22000 | 3000  | 120  | 2000             | 80   |

