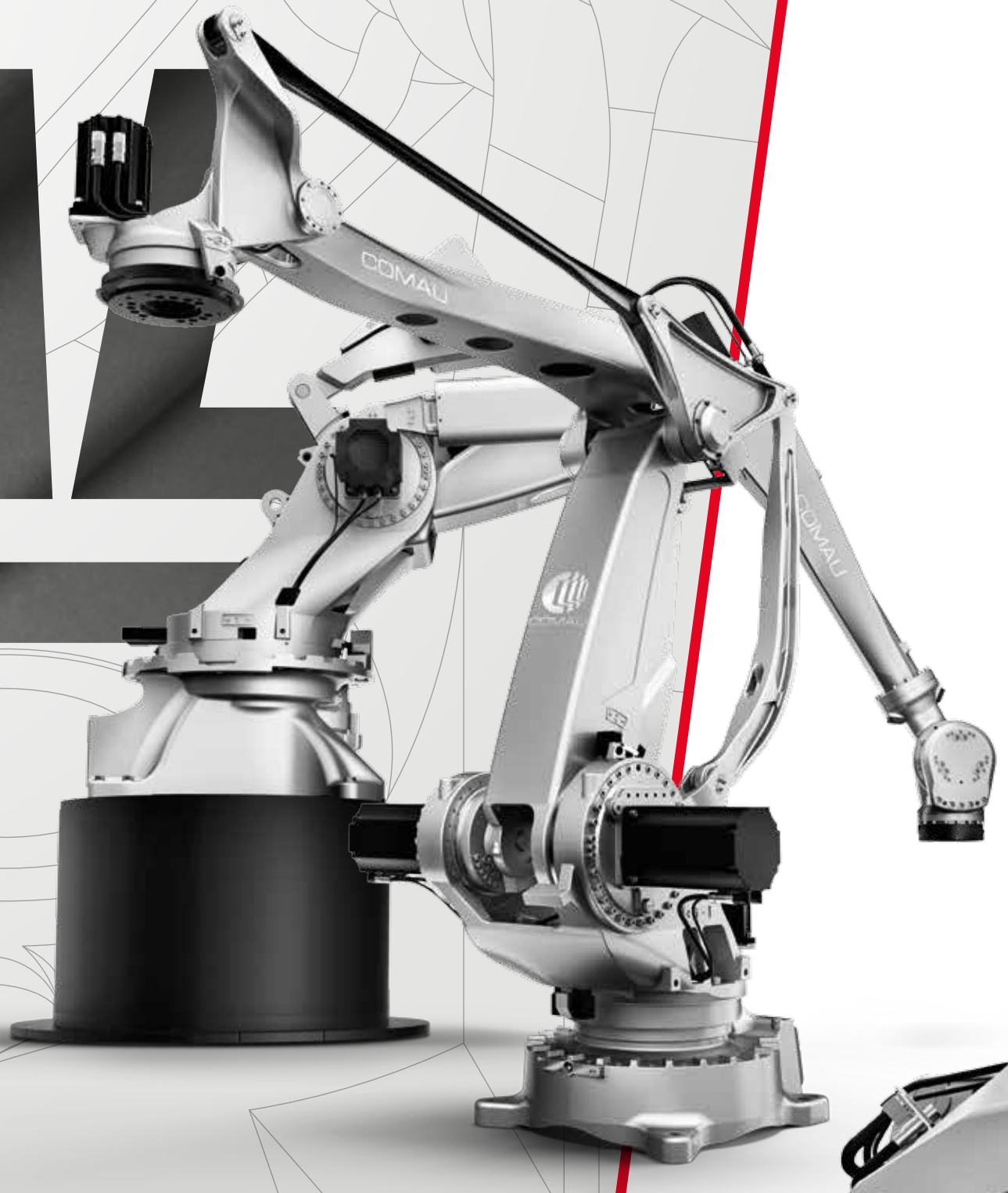
# PAL

## Fast and robust palletizing robots

## *PAL 470 - 3.1*



| Model | | PAL 470 - 3.1 |
|---|---|---|
| Number of axes | | 5 |
| Maximum wrist payload | | 470 kg |
| Additional load on forearm | | 25 kg |
| Maximum horizontal reach | | 3100 mm |
| Stroke (Speed) | Axis 1 | +/- 180° (85°/s) |
| | Axis 2 | -60° / + 75° (85°/s) |
| | Axis 3 | -45° / - 205° (85°/s) |
| | Axis 5 | Axis bound to balance |
| | Axis 6 | +/- 2700° (180°/s) |
| Repeatability | | 0.15 mm |
| Tool coupling flange | | ISO 9409 - 1 - A 200 |
| Robot weight | | 2310 kg |
| Protection class | | IP65 |
| Mounting position | | Floor / Shelf |
| Operating Areas | A | 3522 mm |
| | B | 3050 mm |
| | C | 480 mm |
| | D | 793 mm |

## Suggested applications

- **Pallettizing**
- **Handling**

**PAL 470**

