



MACHINES & CAPABILITIES

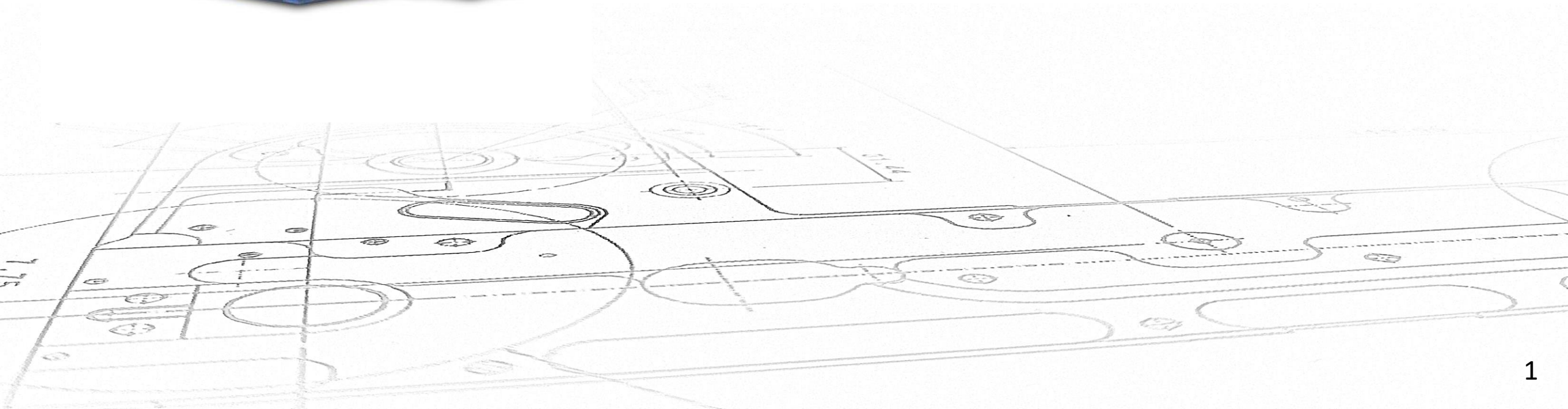




MATSUURA H.PLUS-800 – 4 AXIS



- Machining Envelope: X1050 x Y920 Z990 mm
- B-Axis 360°
- Pallet working surface: 800 x 800 mm
- Loading capacity: 1200 kg
- Work size: Ø1050 x 1150 mm
- Spindle speed: 10000 rpm/min
- High Pressure Coolant: 70 bar (gun drilling capability)

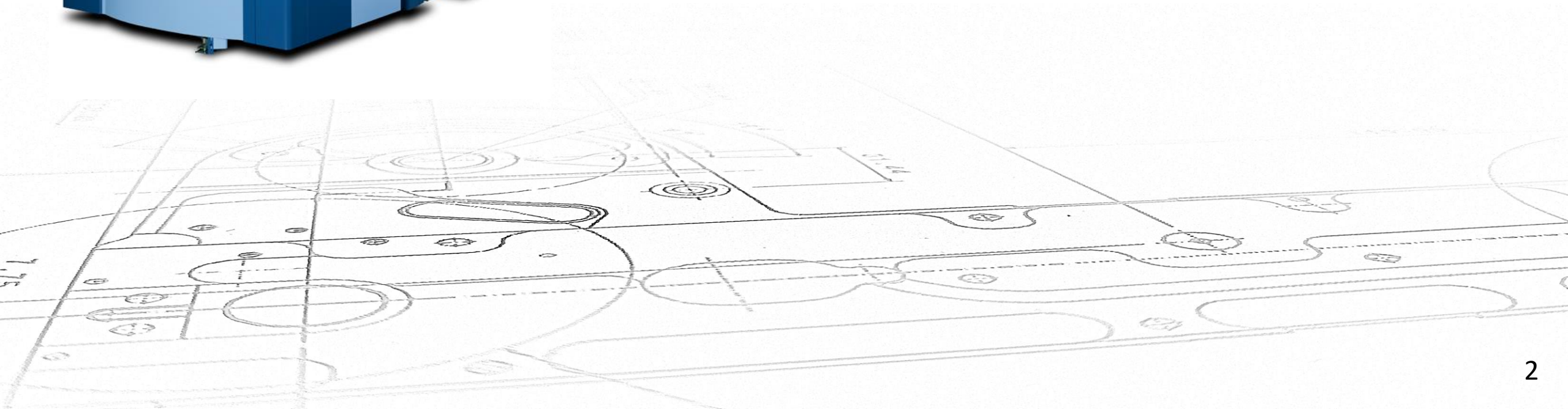




MATSUURA H.PLUS-630 – 4 AXIS



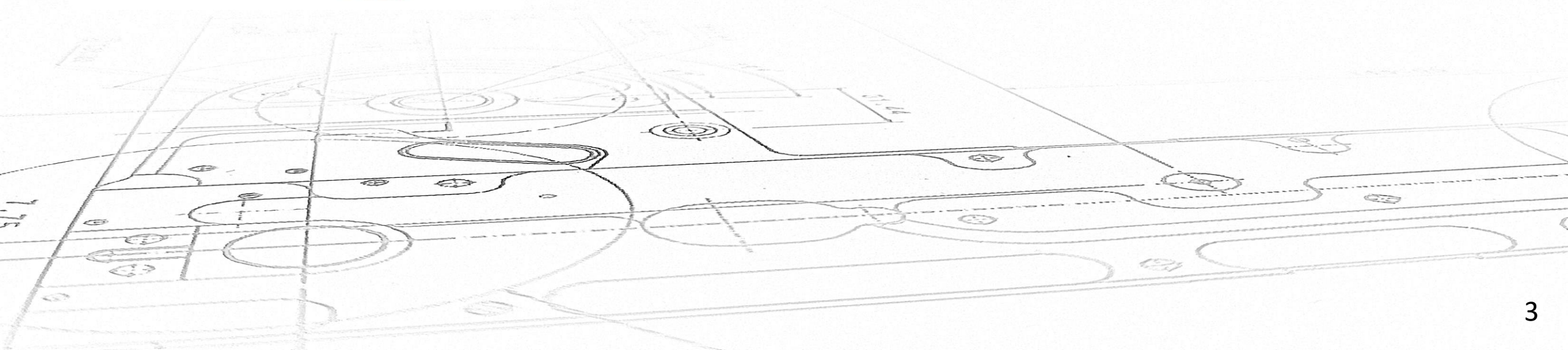
- Machining Envelope: X1050 x Y920 Z990 mm
- B-Axis 360°
- Pallet working surface: 630 x 630 mm
- Loading capacity: 1200 kg
- Work size: Ø1050 x 1150 mm
- Spindle speed: 10000 rpm/min
- High Pressure Coolant: 70 bar (gun drilling capability)



MATSUURA MX-520 – 5 AXIS



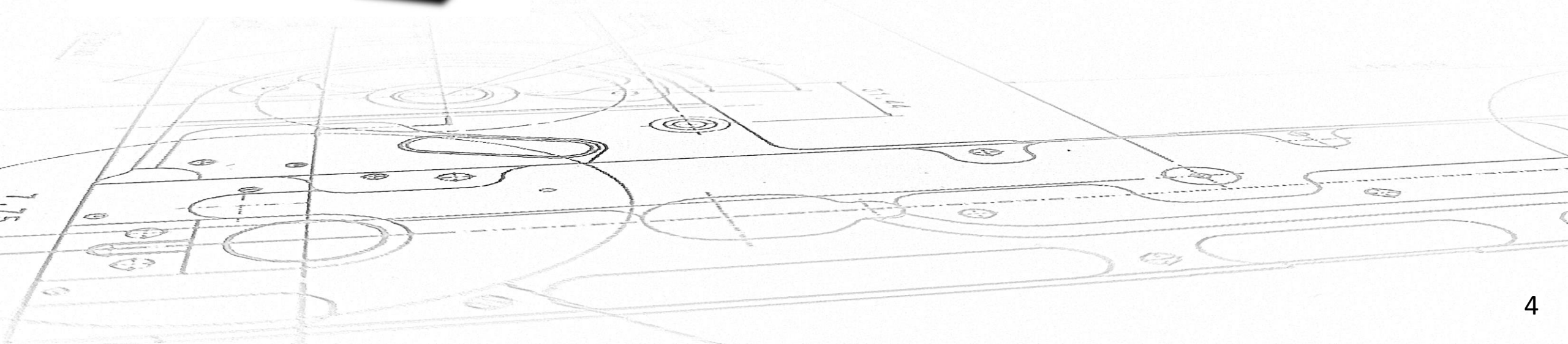
- Machining Envelope: X630 x Y560 Z510 mm
- A-Axis -120° to 10°; C-Axis 360°
- Loading capacity: 200 kg
- Work size: Ø520 x 350 mm
- Spindle speed: 40-20000 rpm/min
- High Pressure Coolant: 70 bar (gun drilling capability)



MATSUURA MX-850 – 5 AXIS



- Machining Envelope: X900 x Y780 Z650 mm
- A-Axis -120° to 30° ; C-Axis 360°
- Loading capacity: 500 kg
- Work size: Ø760 x 450 mm
- Spindle speed: 40-15000 rpm/min
- Tool setting probe, RENISHAW inspection probe



MATSUURA RA-4G – 3 AXIS



- Machining Envelope: X1020 x Y550 Z510 mm
- 2 pallets automatic change
- Pallet workig surface: 1000 x 490 mm
- Loading capacity: 500 kg
- Spindle speed: 40-15000 rpm/min
- High pressuer coolant: 70 bar (gun drilling capability)

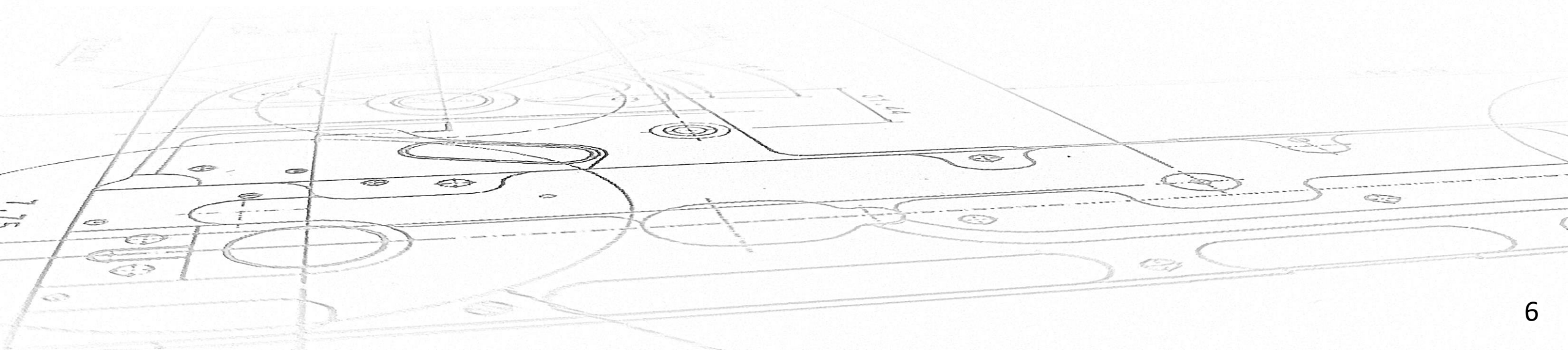




QUASER MV204II M15 – 5 Axis



- Machining Envelope: X900 x Y780 Z650 mm
- A-Axis: $\pm 120^\circ$; C-Axis 360°
- Pallet workig surface: 500 x 500 mm
- Loading capacity: 500 kg
- Work size: $\varnothing 600$ x 500 mm
- Tool setting probe, RENISHAW inspection probe
- Spindle speed: 15000 rpm/min





- **Machining Envelope: X1500 x Y700 Z610 mm**
- **A-Axis: -120° to 30° ; C-Axis 360°**
- **Pallet workig surface: 1700 x 700 mm**
- **Loading capacity: 2000 kg**
- **Work size: 1700 x 700 x 500 mm**
- **Tool setting probe, RENISHAW inspection probe**
- **Spindle speed: 7500 rpm/min**

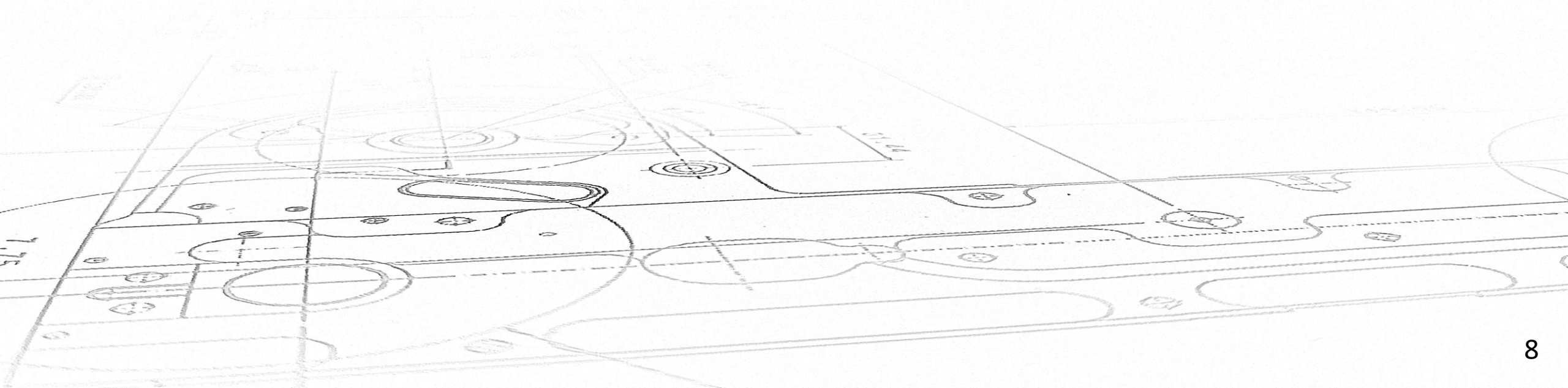




MORI SEIKI NHX6300 – 4 Axis



- Machining Envelope: X1050 x Y900 Z1030 mm
- B-Axis 360°
- Pallet workig surface: 630 x 630 mm
- Loading capacity: 1500 kg
- Work size: Ø1050 x 1300 mm
- Spindle speed: 8000 rpm/min
- High Pressure coolant: 70 bar (gun drilling capability)

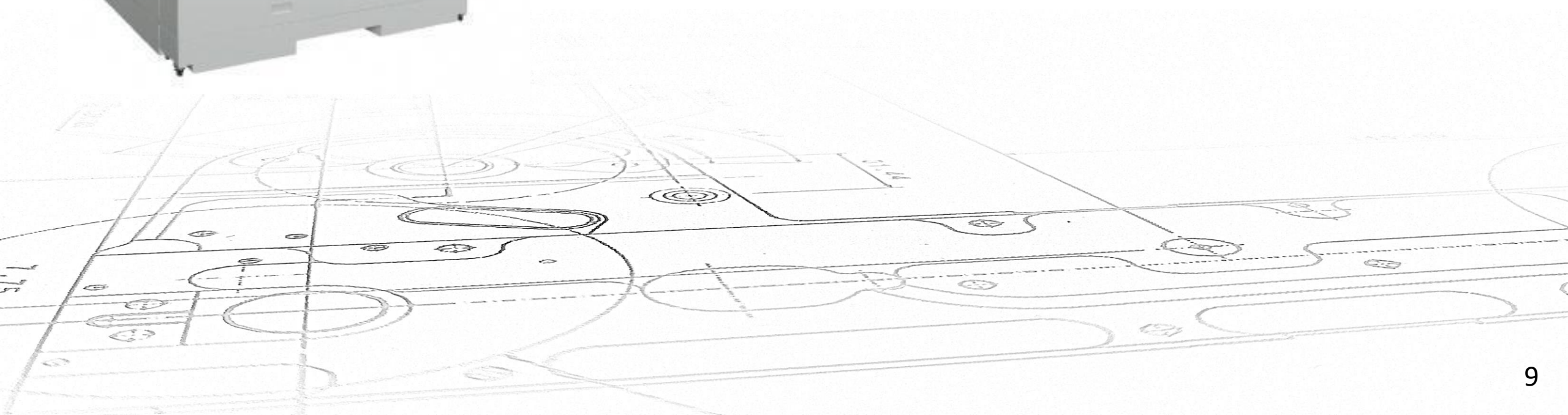




MORI SEIKI DURAVERTICAL – 4 Axis



- Machining Envelope: X1050 x Y530 Z510 mm
- B-Axis 360°
- Table workig surface: 1350 x 600 mm
- Loading capacity: 1000 kg
- Work size: 1350 x 600 x 350 mm
- Spindle speed: 10000 rpm/min
- Pressure coolant: 20 bar

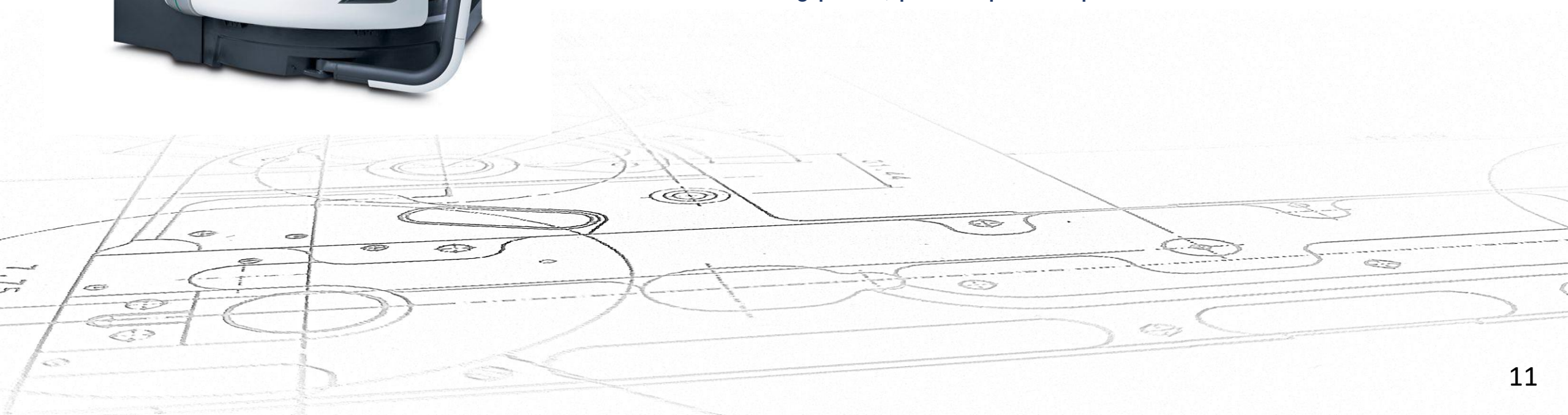




FANUC ROBODRILL A-T21 iFLA - 4 Axis



- Machining Envelope: X700 x Y400 Z330 mm
- C-Axis direct drive motor 360°
- Pallet workig surface: 700 x 400 mm
- Loading capacity: 300 kg
- Work size: 500 x 300 x 250 mm
- Spindle speed: 10000 rpm/min



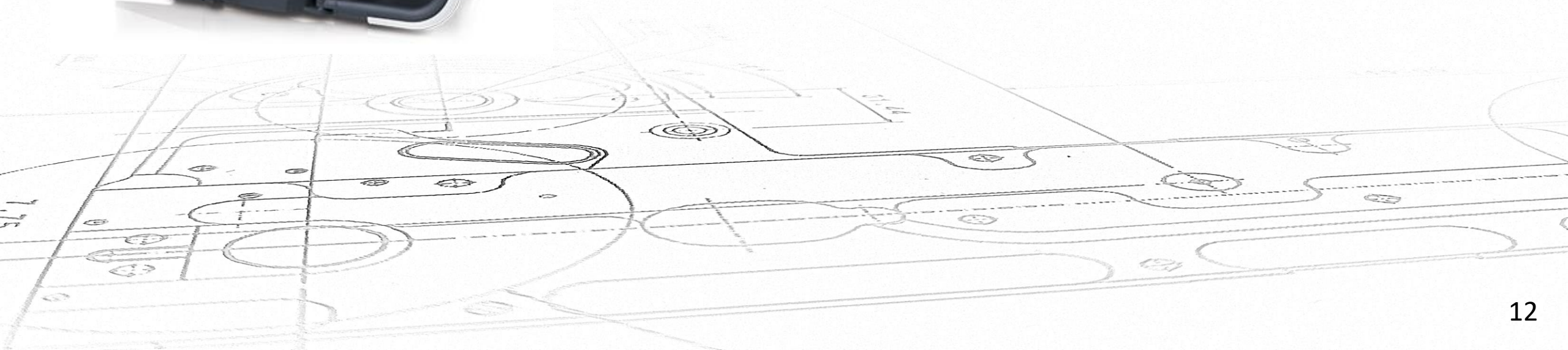
- 11



DMU75 MONOBLOCK – 5 Axis



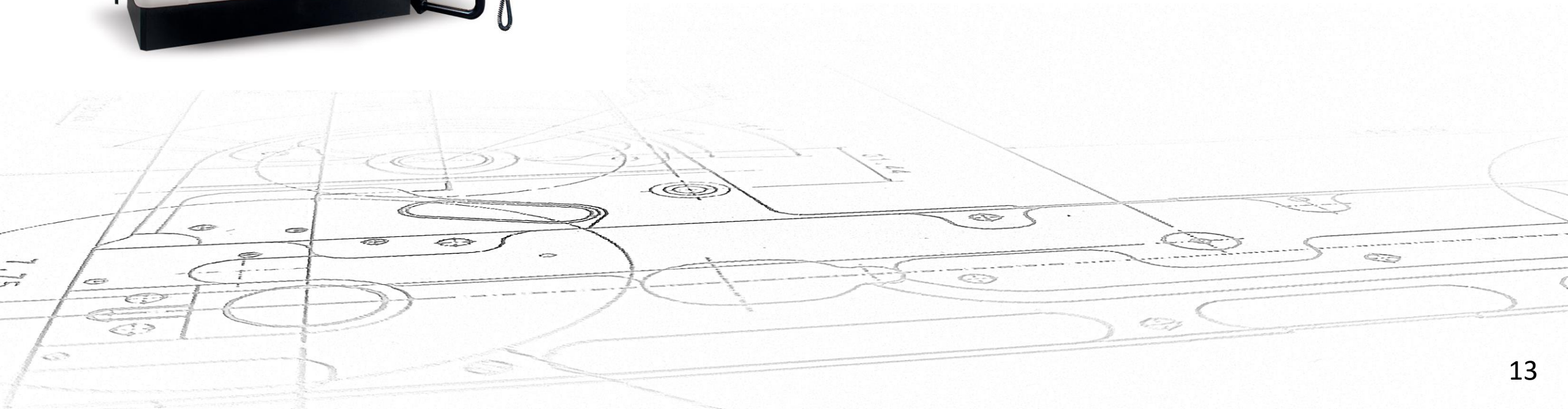
- Machining Envelope: X750 x Y650 Z560 mm
- A-Axis -120° to 120°; C-Axis 360°
- Loading capacity: 600 kg
- Work size: Ø650 x 500 mm
- Spindle speed: 20000 rpm/min
- Tool setting probe, part inspection probe



FAGIMA JAZZ R – 5 Axis



- Machining Envelope: X750 x Y600 Z550 mm
- A-Axis -110° to 110°; C-Axis 360°
- Loading capacity: 300 kg
- Work size: Ø630 x 400 mm
- Spindle speed: 12000 rpm/min



HARTFORD HCMC-1682



- Machining Envelope: X1600 x Y820 Z660 mm
- Table surface X1750 x Y820 mm
- Loading capacity: 2200 kg
- Spindle speed: 6000 rpm/min

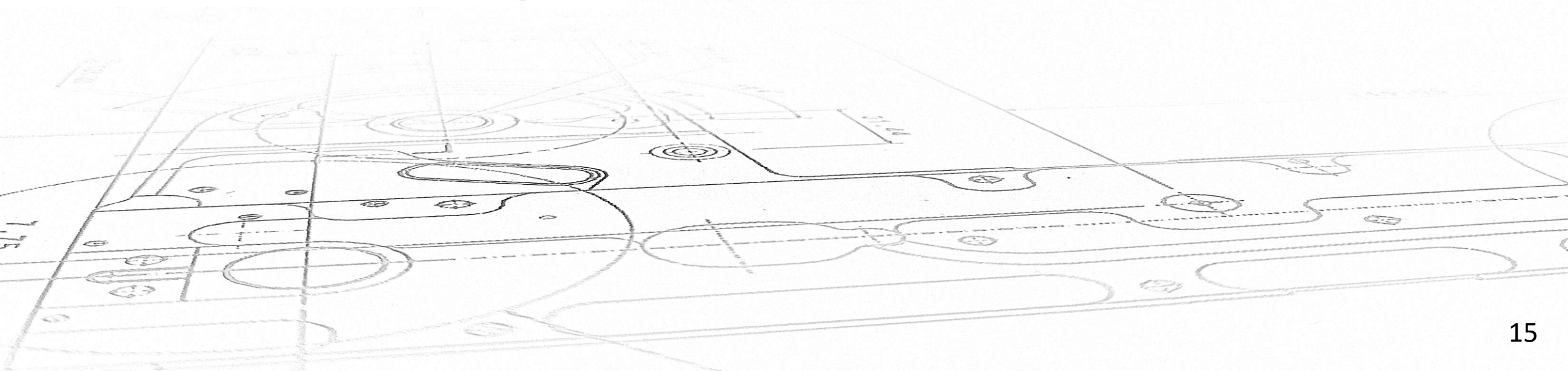




HARTFORD HCMC-2110

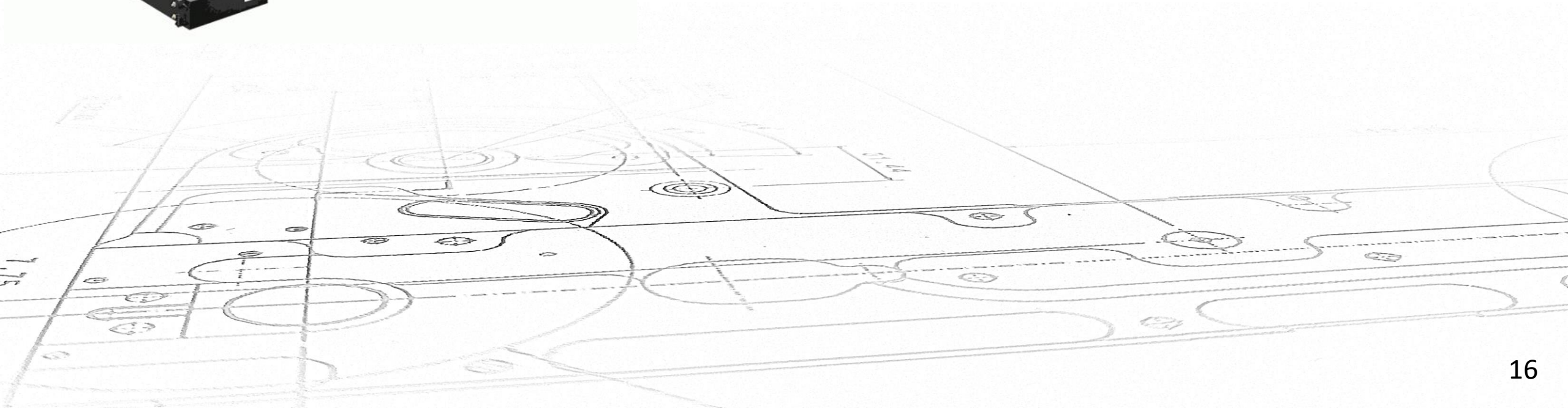


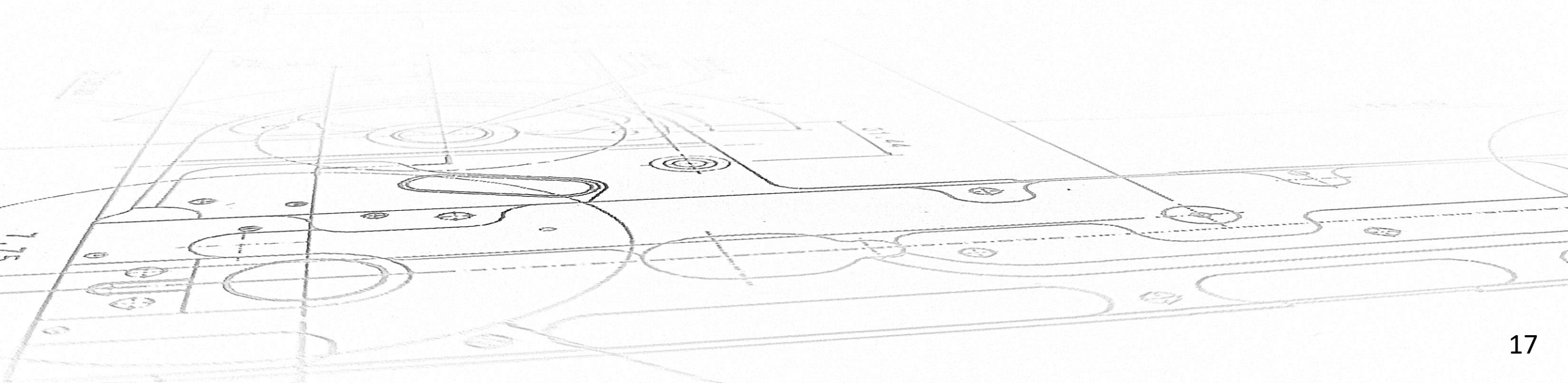
- Machining Envelope: X2100 x Y1020 Z820 mm
- Table surface X2250 x Y1020 mm
- Loading capacity: 3000 kg
- Spindle speed: 4000 rpm/min





- Machining Envelope: X2000 x Y2000 x Z780 mm
- Pallet working Surface: 2000 x 2000 mm
- Loading capacity: 8000 kg
- Spindle speed: 6000 rpm/min





- Machining Envelope: X3500 x Y2600 x Z1400 x W700 mm
- B-Axis 360°
- Spindle nose: 130 mm
- Pallet working Surface: 2200 x 1800 mm
- Work size Ø1050 x 1300 mm
- Loading capacity: 15000 kg
- Spindle speed: 3000 rpm/min

HARTFORD PBM-115A

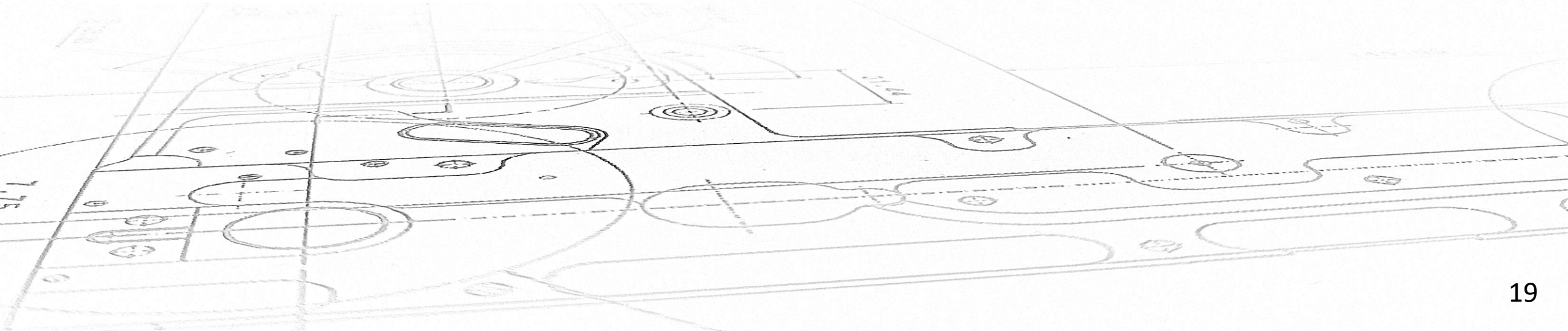


- Machining Envelope: X2000 x Y1600 x Z1500 x W500 mm
- Spindle nose: 1600 mm
- Pallet working surface: 1400 x 1600 mm
- Loading capacity: 10000 kg
- Spindle speed: 3000 rpm/min

MORI SEIKI NL2500/700Y-4AXIS



- Machining Envelope: $\varnothing 320 \times 700$ mm
- Y-Axis: ± 50 mm; C-Axis 360° , live tools
- Bore Thru Spindle: 85 mm
- Loading capacity: 500 kg
- Work size: $\varnothing 320 \times 700$ mm
- Tool setting probe
- Spindle speed: 4000 rpm/min

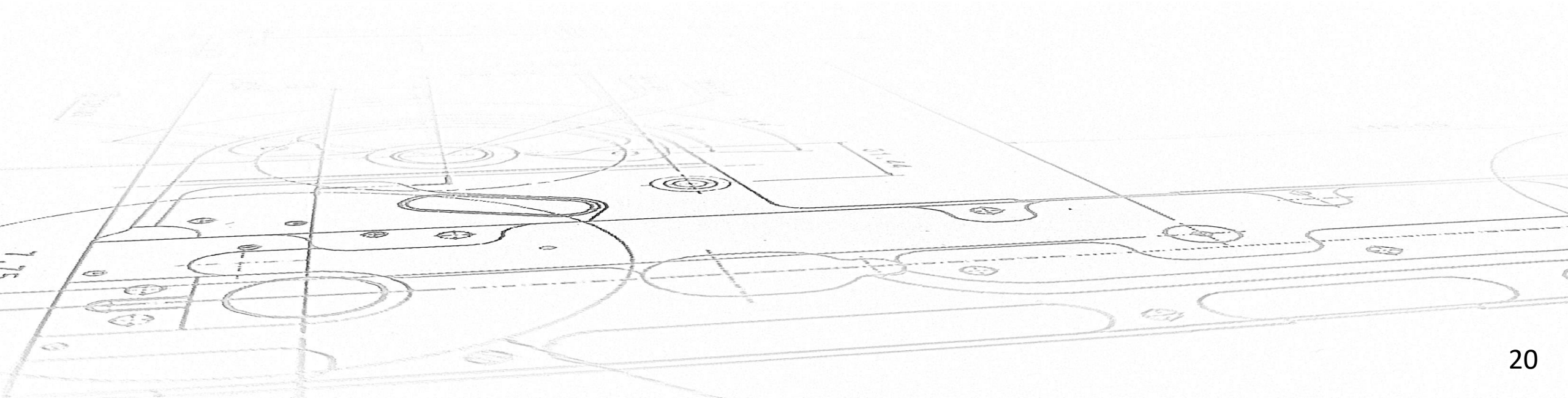




MORI SEIKI NL2500/1250MC(Y)



- Machining Envelope: $\varnothing 320 \times 1250$ mm
- Y-Axis: ± 50 mm (for Y option); C-Axis 360° , live tools
- Bore Throu Spindle: 85 mm
- Loading capacity: 500 kg
- Work size: $\varnothing 320 \times 1250$ mm
- Tool setting probe
- Spindle speed: 4000 rpm/min





DOOSAN PUMA 600LM

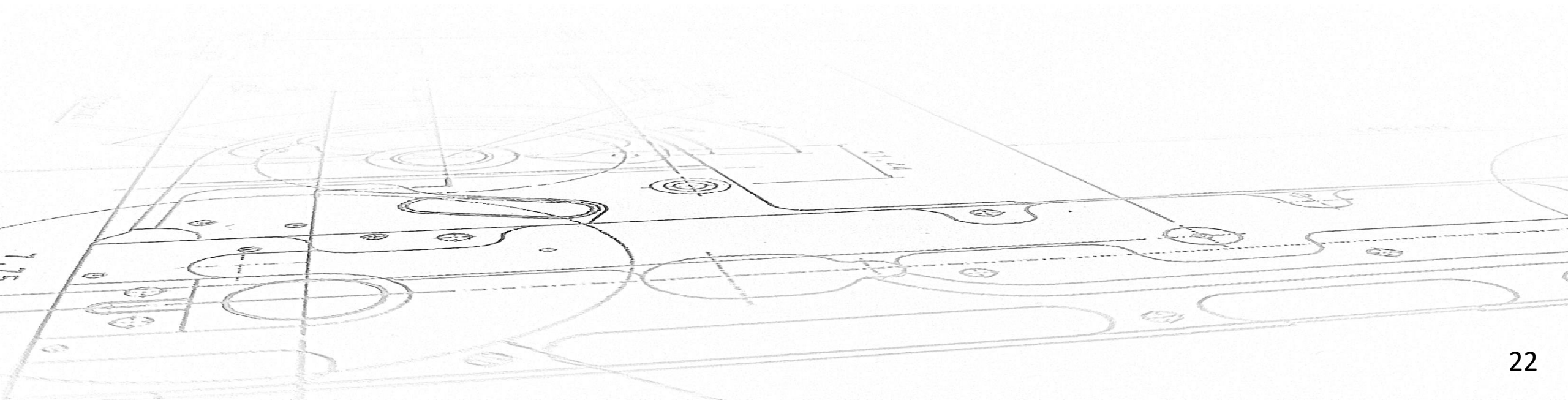


- Machining Envelope: Ø750x 3200 mm
- C-Axis 360°, live tools
- Bore Throu Spindle: 152 mm
- Loading capacity: 5000 kg
- Work size: Ø900 x 3200 mm
- Tool setting probe
- Spindle speed: 1800 rpm/min

DOOSAN PUMA 700LM/LY



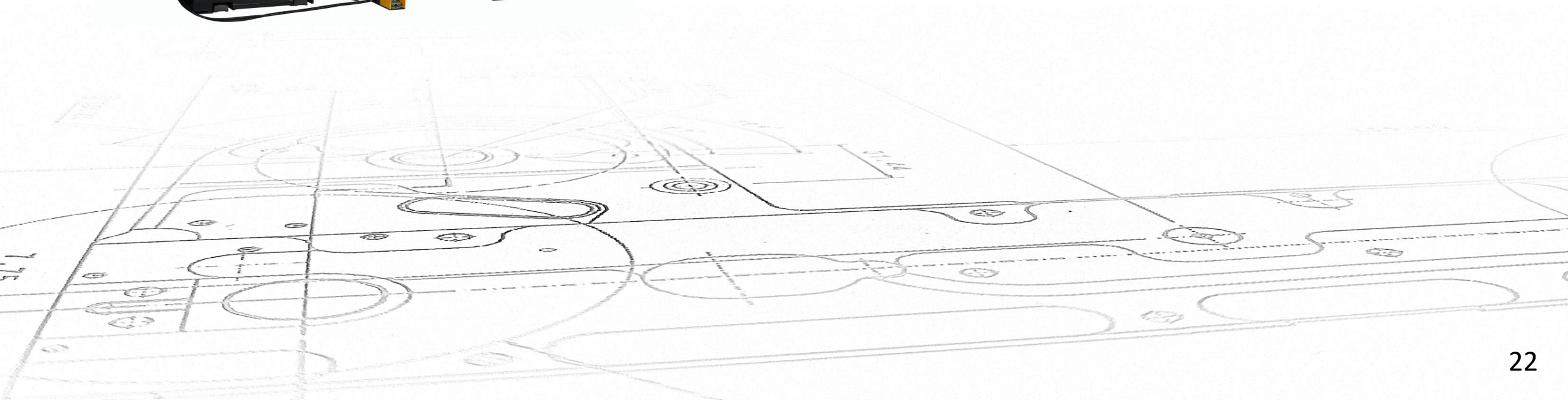
- Machining Envelope: Ø900 x 3200 mm (D750-LY)
- C-Axis 360°, live tools
- Bore Throu Spindle: 152 mm
- Loading capacity: 5000kg
- Work size: Ø900 x 3200mm
- Tool setting probe
- Spindle speed: 1500 rpm/min

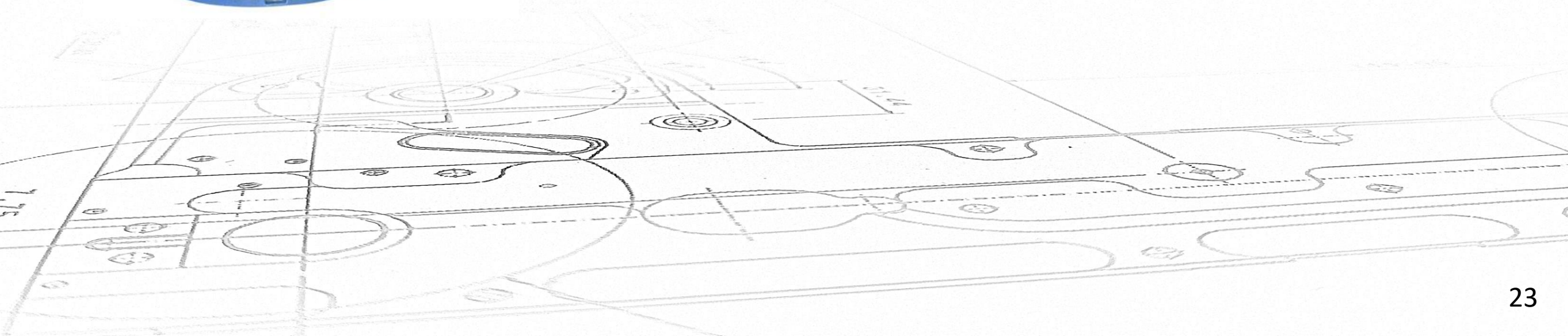


DOOSAN PUMA 4100LMC

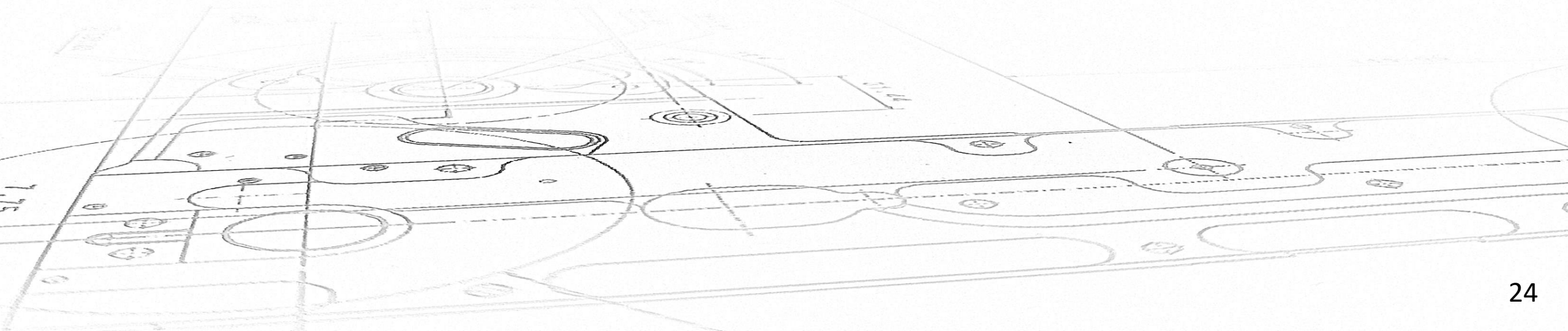


- Machining Envelope: Ø900 x 3200 mm (D750-LY)
- C-Axis 360°, live tools
- Bore Throu Spindle: 181 mm
- Loading capacity: 2600kg
- Work size: Ø560 x 1988mm
- Tool setting probe
- Spindle speed: 1500 rpm/min





- Machining Envelope: Ø3000 x 16000 mm
- Table size: Ø2500 mm
- Loading capacity: 10800 kg
- Work size: Ø2500 x 1600 mm
- Spindle speed: 250 rpm/min

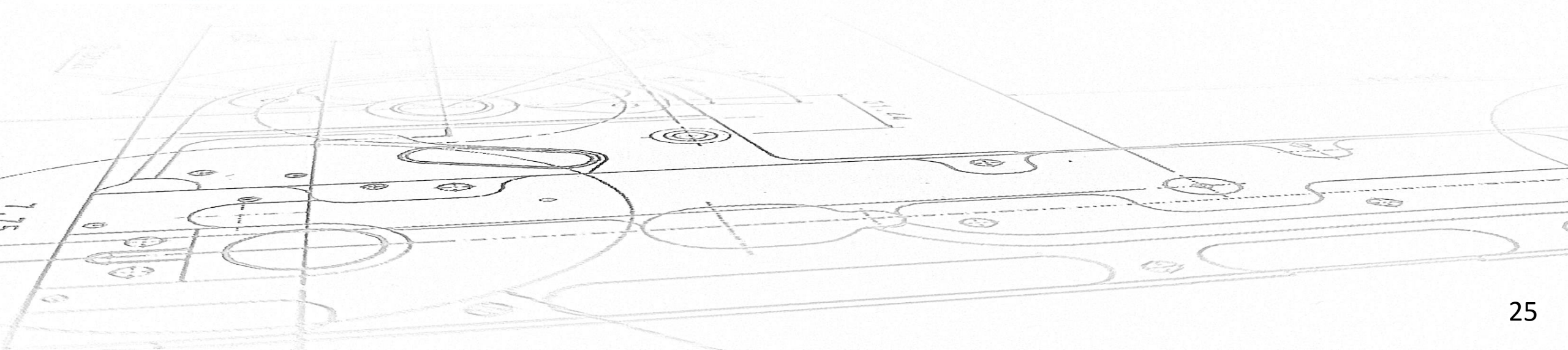


- Machining Envelope: Ø2100 x 1200 mm
- Table size: Ø1800 mm
- Loading capacity: 13500 kg
- Spindle speed: 300 rpm/min

GOODWAY GV-1600 LM

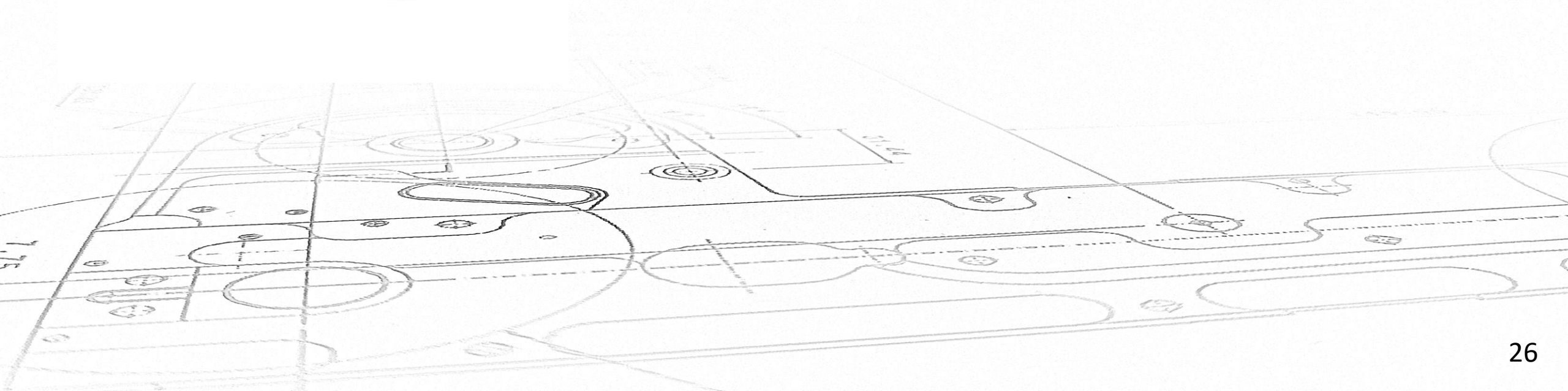


- Machining Envelope: Ø1800 x 1300 mm
- Table size: Ø1600 mm
- Loading capacity: 8000 kg
- Spindle speed: 250 rpm/min





- Machining Envelope: X5000 x Y3700 x Z800 x W1300 mm
- Spindle nose: Ram-Type 40 HP
- Pallet working Surface: 4800 x 2500 mm
- Loading capacity: 15000 kg
- Work size 5000 x 3200 x 1600 mm
- Spindle speed: 6000 rpm/min

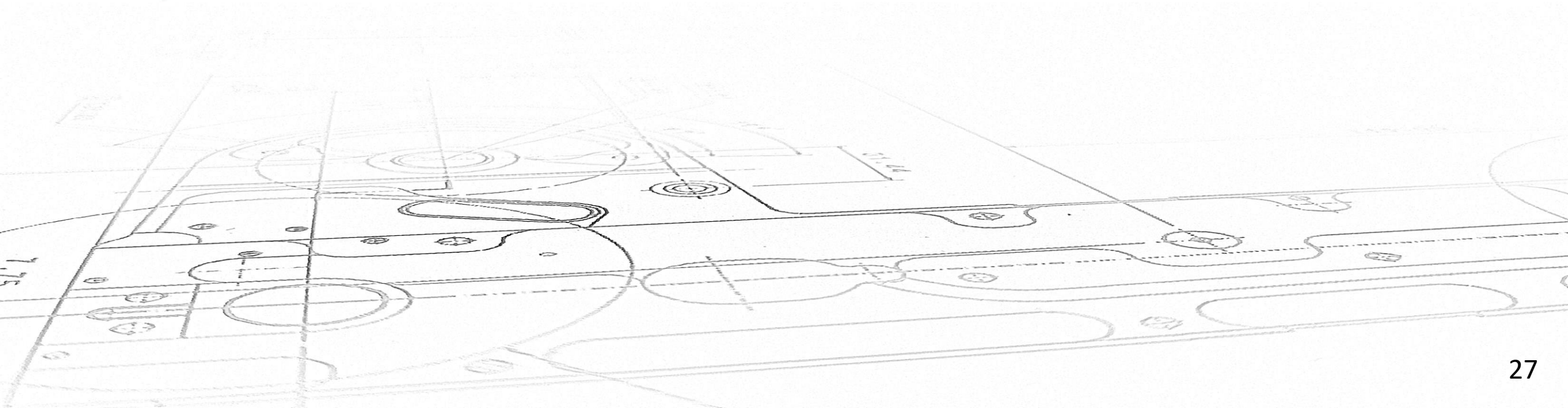




Bystronic ByJet Classic 6030



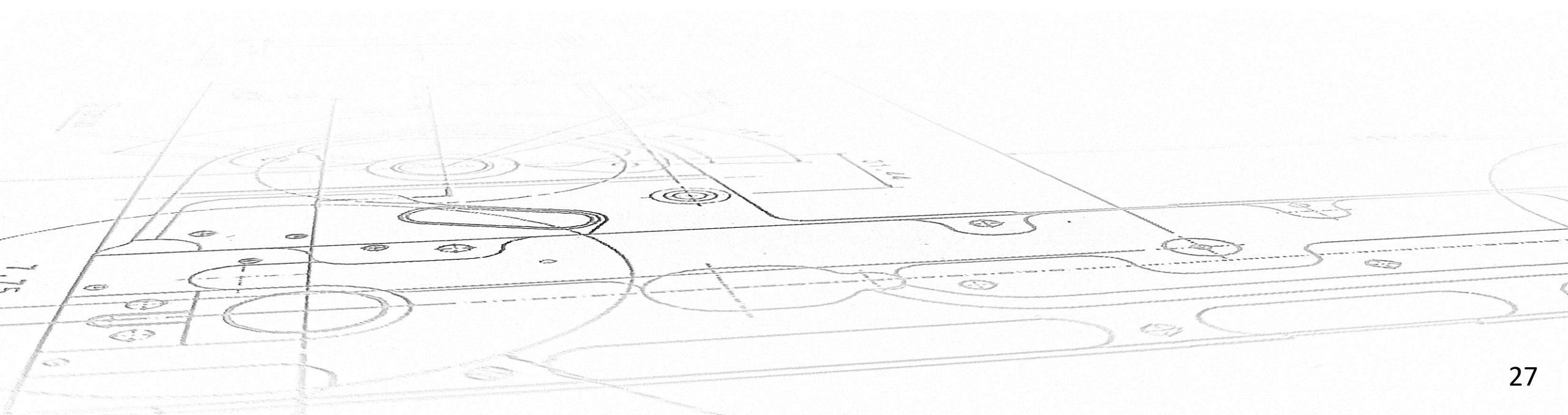
- Max flat plate size: 6000 x 3000 mm
- Max workpiece thickness: 200 mm
- Two water cutting heads
- Drill Head for Pre-Drilling for composite materials
- Ultra-High pressure pump: Bypump APC50
- Max operating pressure: 3800 bar
- Feed rate: 0-5L/min



LASER CUTTING BODOR P3



- Max flat plate size: 3000 x 1500 mm
- Max workpiece thickness: 20 mm
- Two pallets
- Laser output power 1000-4000W
- Loading capacity: 1050kg
- Max symultane speed: 140m/min





CMM ABERLING 3D ZENITH T00

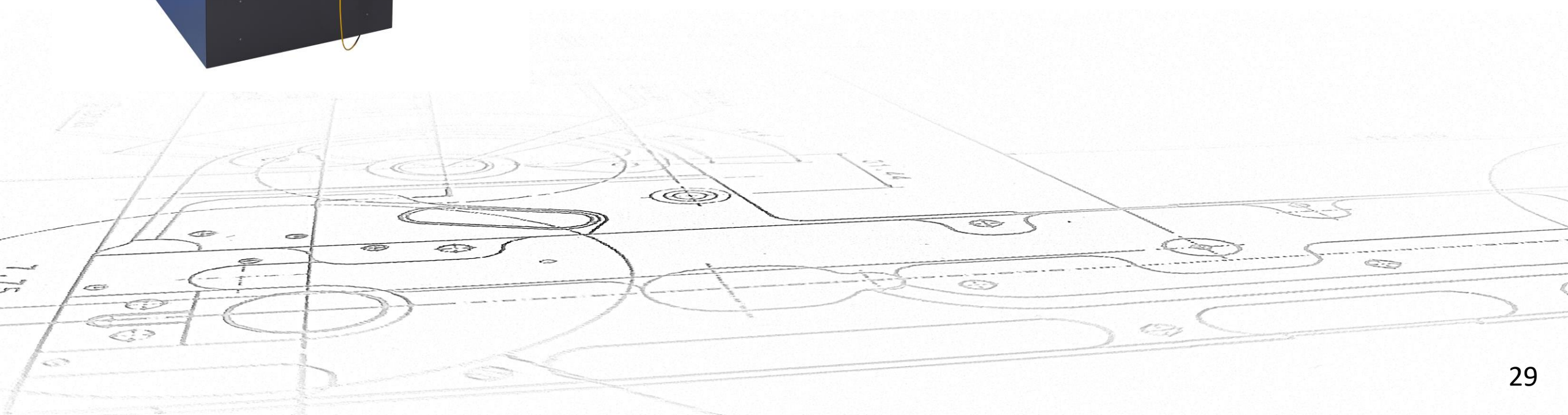
- Measurement range: X1200 x Y800 x Z800 mm
- RENISHAW PH-10T Articulated head with TP-25 probe





CMM ZEISS CONTURA G2

- Measurement range: X2100 x Y800 x Z800 mm
- ZEISS RDS articulated probe system & VAST scanning probing





CIMCORE 3D MEASUREMENT ARM 7525

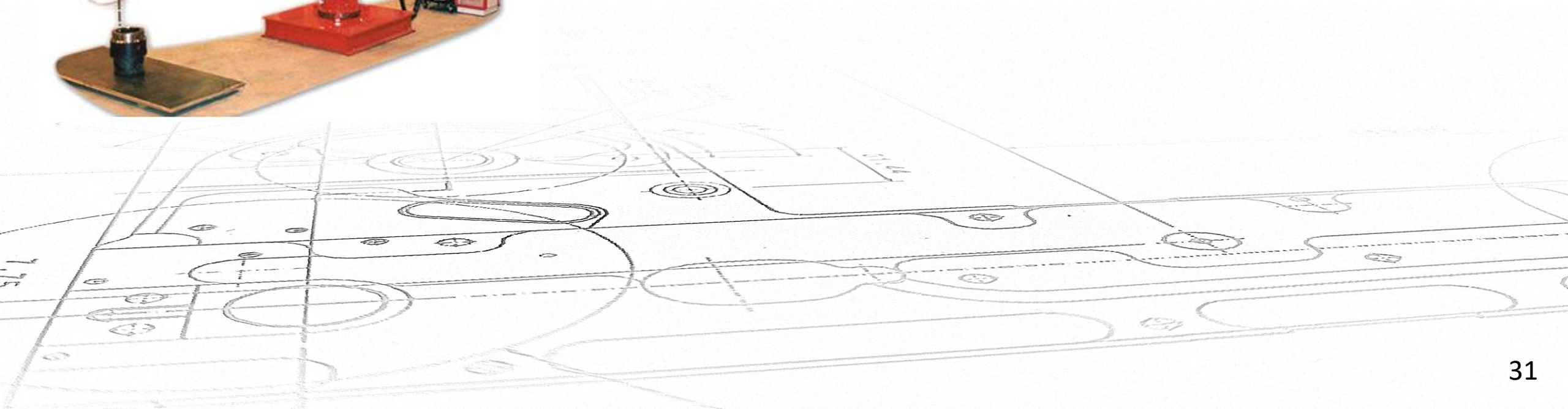
- Measurement range: D2500 mm
- Accuracy: 0,029 mm



FRONIUS ETR-S CLADDING SYSTEM



- Rectangular shapes
- Ova Shapes
- Square flat surfaces
- Multi-Bore surfaces
- Capacity Table – 5000 kg
- Work size: Ø1500 x 1600 mm

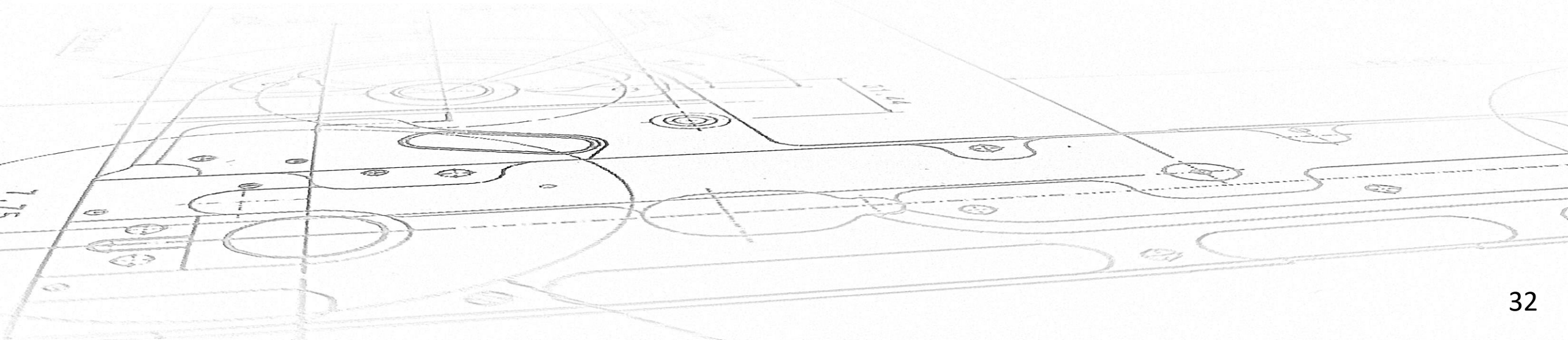




WIRE EDM - ACCUTEX AU-500i -4 AXIS



- Machining envelope: X500 x Y300 x Z300 mm
- U/V=100/100 mm
- Max loading capacity: 500 kg
- Max work size 900 x 560 x 295
- Max angle cut: $\pm 22^\circ/100$ mm
- Wire diameters: 0,15 to 0,33 mm





SINKING EDM AGIE AGIETRON ADVANCE – 4 AXIS



- Machining envelope: X500 x Y500 x Z350mm
- Max loading capacity: 1200 kg
- Max bath can size: 1250 x 720 x 420 mm
- Max electrode weight: 150 kg
- Distance Between electrode holder and table:



SINKING EDM ACCUTEX HD50 4-AXIS



- Machining envelope: X500 x Y400 x Z350 mm
- Max work size 1250 x 720 mm
- Max loading capacity: 1200 kg
- Max bath can size: 1250 x 720 x 420 mm

