



HYDRAULIC PRESS SYSTEMS FOR **DEFENCE** INDUSTRY

Custom-built hydraulic press solutions for high pressure, heated processes and repeatable production in demanding defence and industrial applications.



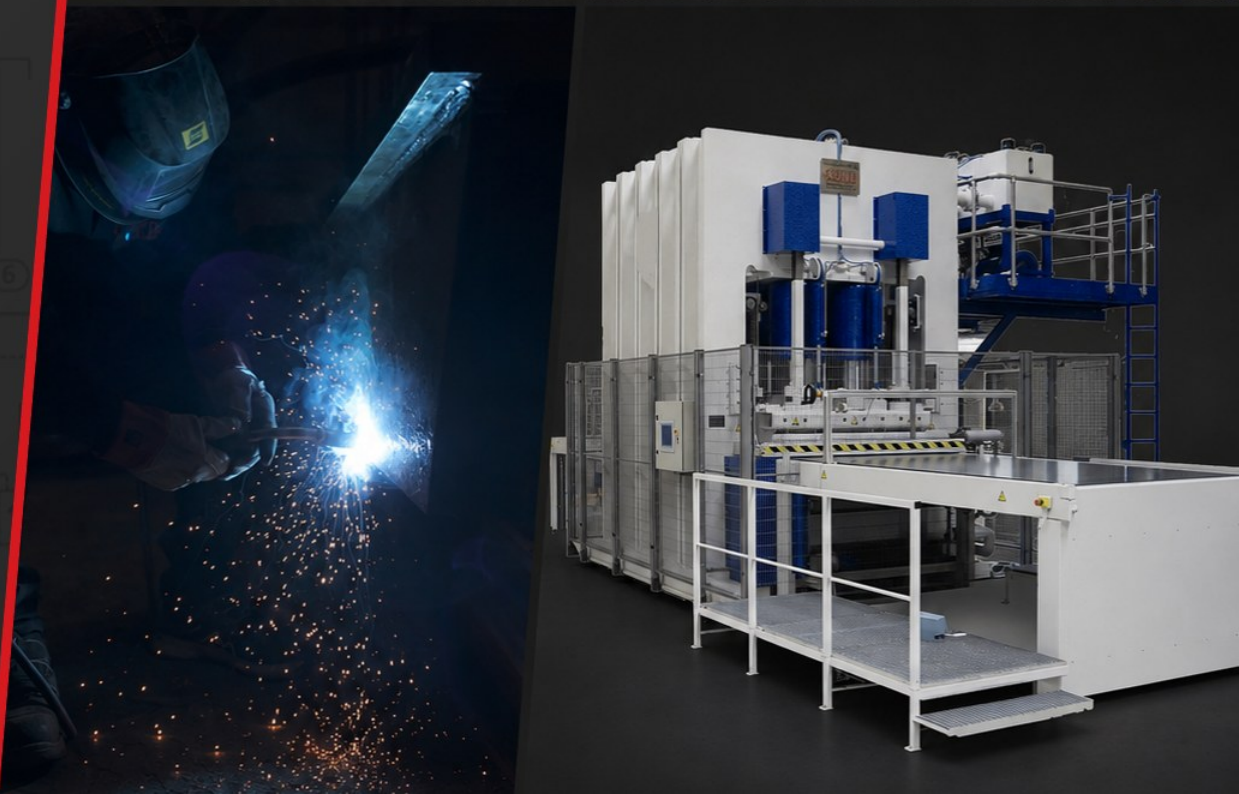
15+ years serving
defence-sector
manufacturers



Danish engineering &
manufacturing



Custom build hydraulic
presses



ENGINEERED FOR PERFORMANCE

PRECISION, POWER AND PRODUCTION READINESS

Kuni hydraulic press systems combine in house machined components, hydraulic power units and project specific presses for demanding production.

01 MACHINED COMPONENTS

Components are manufactured with focus on alignment, fit, precision and long-term reliability.

02 HYDRAULIC POWER AND CONTROL

Power units, cylinders, valves, manifolds and piping are designed to ensure controlled flow and sufficient service access.

03 MACHINE CONSTRUCTION

Press frames, platens and structures are designed for high and repeatable loads and daily production operation.



ENGINEERING TO DELIVER

FROM REQUIREMENTS TO COMMISSIONED PRESS SYSTEM

Kuni turns customer requirements, product specifications and technical constraints into a complete hydraulic press system.

01 REQUIREMENT SPECIFICATION

Press force, stroke, daylight, platen size, temperature, tooling, cycle time, automation and safety requirements in collaboration with the customer are defined before design begins.

02 MECHANICAL AND HYDRAULIC DESIGN

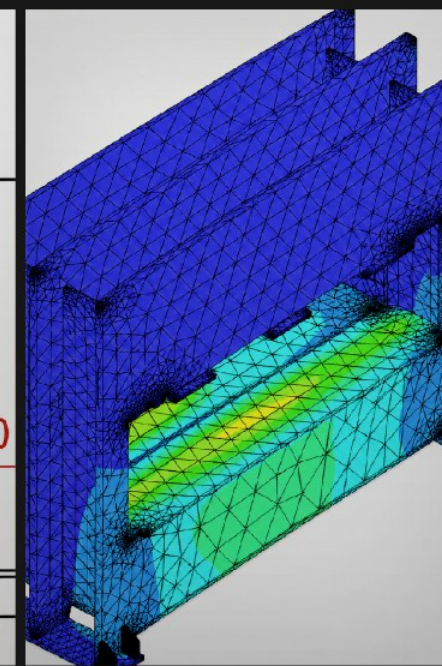
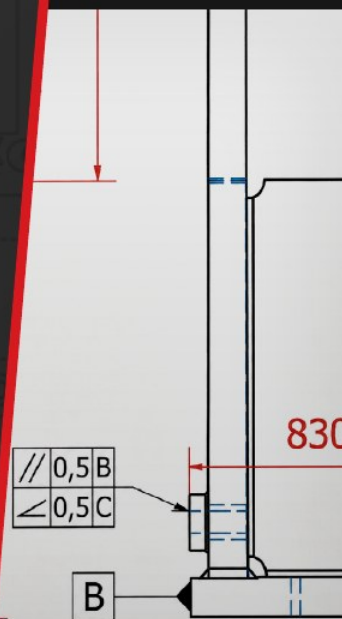
Press frame, platens, tooling interfaces, hydraulic power unit, cylinders, piping, controls and guarding are designed around the process and product needs.

03 VALIDATION AND DESIGN REVIEW

Critical structures and functions are verified through drawings, calculations, hydraulic layout review and manufacturing experience.

04 MANUFACTURING & COMMISSIONING

Machining, welding, hydraulic integration, assembly, testing, installation and handover are handled by Kuni.



DEFENCE APPLICATION AREAS

PRESS SOLUTIONS FOR **CRITICAL MATERIAL** PROCESSES

Kuni develops press systems for defence-related industries where high-pressure, heating and tooling requirements must match the application.



01

BALLISTIC COMPOSITE PRODUCTION

Heated hydraulic presses for composite forming and laminate consolidation, built around continuous pressure, temperature uniformity and repeatable cycle control.



02

RUBBER COMPRESSION MOULDING

Compression moulding presses for rubber and elastomer production with heated platens, controlled press force and practical tooling access.



03

METAL FORMING AND SPECIAL PROCESSES

Custom hydraulic presses built for forming, drawing, calibration, bonding and additional special production tasks where standard presses are not sufficient.



INDUSTRIAL EXPERIENCE

BUILT FOR DEMANDING PRODUCTION

Defence-related production requires more than the standard approach. The machine must fit the process, the layout, the concept and the daily operation around it.

01

TURN-KEY SOLUTION

Machine design, manufacturing, hydraulic assembly and project follow-up are handled in one practical delivery setup.

02

PRODUCT LINE INTEGRATION

The press is considered as part of the production flow, including handling, tooling interfaces, access and operator workflow.

03

CONTROLLED MACHINE FUNCTIONALITY

Press force, stroke, heating, platen area, hydraulics and safety functions are clarified before build and commissioning.

04

SERVICE ACCESS IN MIND

Hydraulic components, access areas and machine layout are planned with installation, maintenance and future service in mind.

DESIGNED, MANUFACTURED, COMMISSIONED AND SUPPORTED FROM DENMARK.

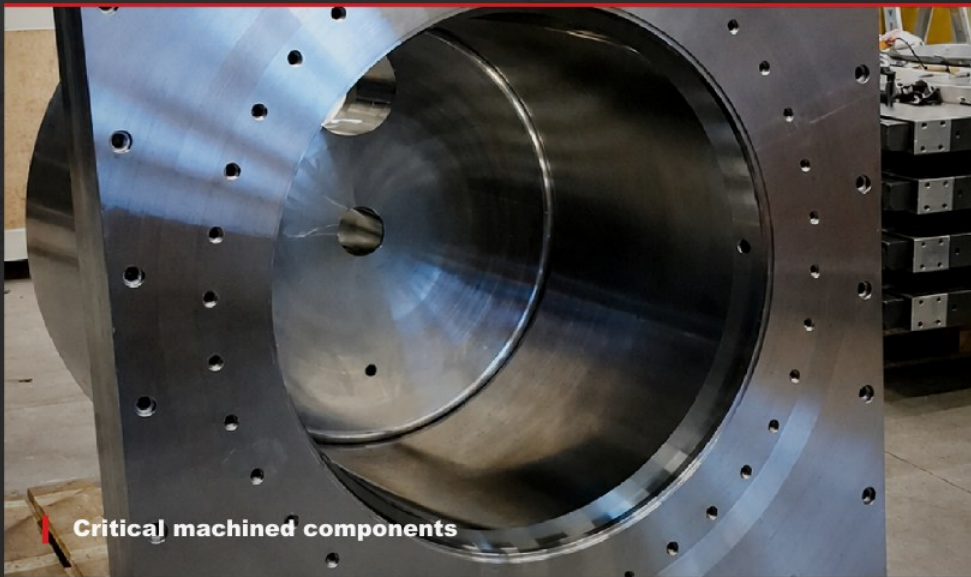
DANISH MANUFACTURING SETUP

ENGINEERING AND MANUFACTURING UNDER ONE ROOF

Kuni combines engineering, machining, fabrication, hydraulic integration and assembly in one manufacturing setup. Critical interfaces are followed from drawing to a finished press, so fit, access and function are handled before installation.



Collaboration and teamwork



Critical machined components



Fitting, assembly and installation

ENGINEERING · MACHINING · FABRICATION · HYDRAULIC INTEGRATION · ASSEMBLY · TESTING



Inspection, service and on-site support

LIFECYCLE SUPPORT

BUILT TO LAST

A Kuni hydraulic press is part of the production line long after commissioning. Kuni supports installed systems with service, rebuilds, retrofitting, spare parts and on-site technical support.

SERVICE AND SUPPORT

Troubleshooting, hydraulic service, mechanical inspection and safety checks are done by Kuni technicians.

UPGRADES AND RETROFITTING

Modernisation of existing press systems when tooling, controls, safety requirements or production needs change.

SPARE PARTS AND COMPONENTS

Cylinders, seals, hydraulic components and wear parts specified for fit, function and uptime.



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