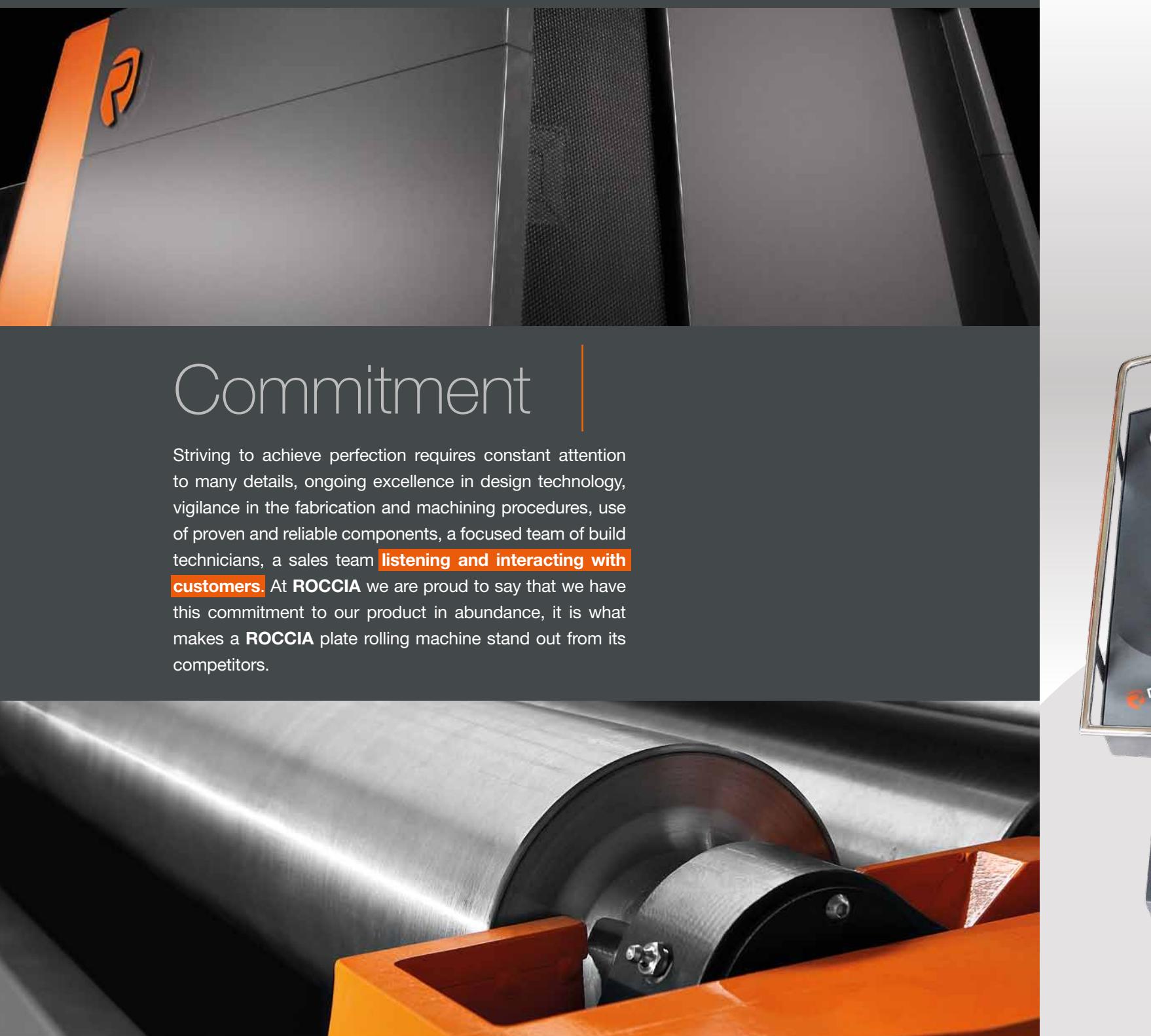


Style

The ROCCIA plate rolls modern design lines subtly communicate that here is a high tech plate rolling machine that will deliver exactly what its specification states: a **high tech specification**, proven and reliable components, robustness of construction, ease of use, value for your money. From first sight the ROCCIA plate roll stands out from all other plate rolling machines, it is the outcome of a precision design, graphical analysis and 3D modeling, plus that all important ingredient, hands on plate rolling knowledge accumulated over many years.



Commitment

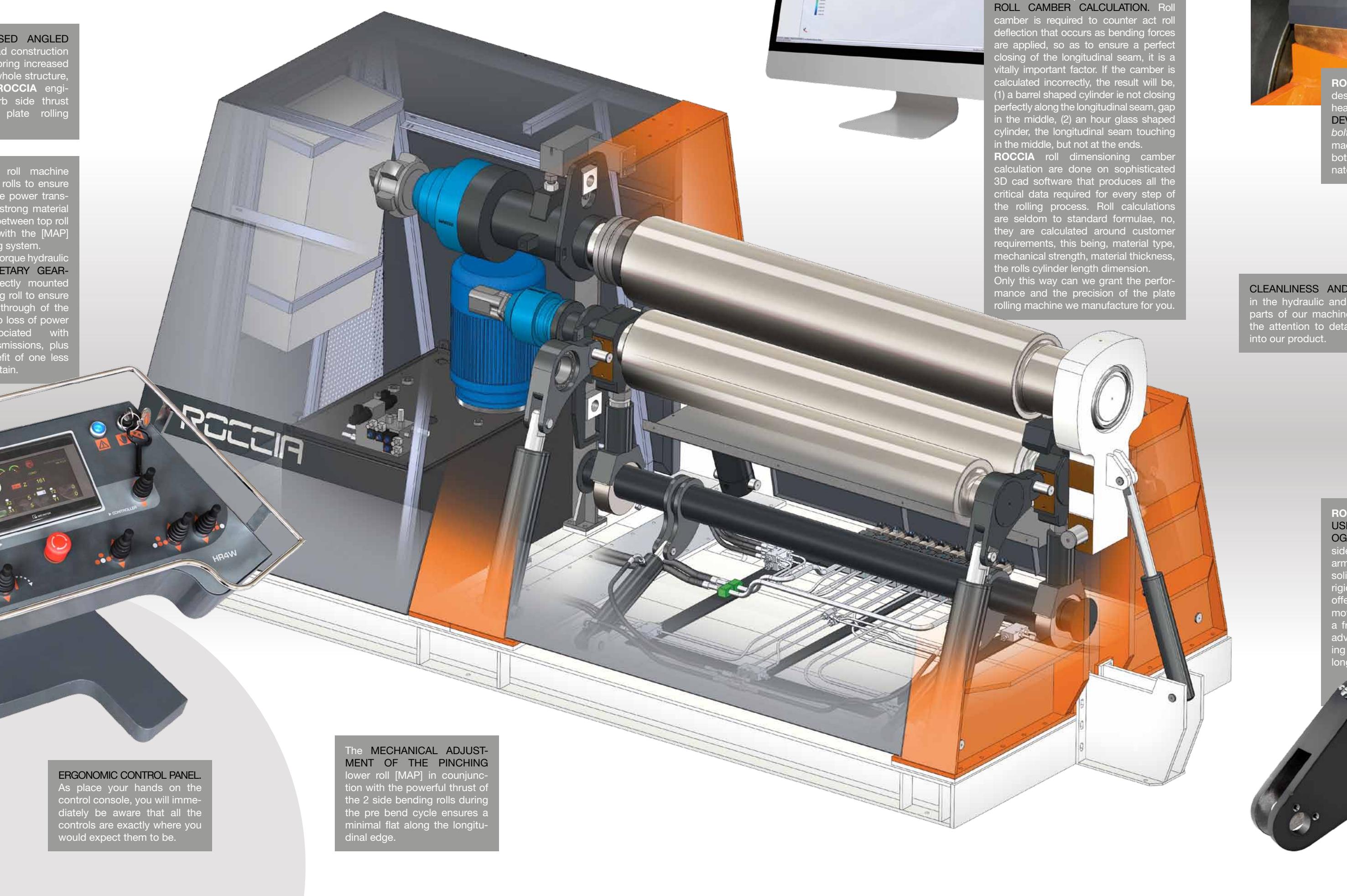
Striving to achieve perfection requires constant attention to many details, ongoing excellence in design technology, vigilance in the fabrication and machining procedures, use of proven and reliable components, a focused team of build technicians, a sales team **listening and interacting with customers**. At ROCCIA we are proud to say that we have this commitment to our product in abundance, it is what makes a ROCCIA plate rolling machine stand out from its competitors.

Technology

The wide BASED ANGLED FRAME bulkhead construction is designed to bring increased stability to the whole structure, designed by ROCCIA engineers to absorb side thrust forces during plate rolling cycles.

A ROCCIA 4 roll machine utilizes 2 driven rolls to ensure the rolling torque power transfer. This way a strong material grip is assured between top roll and lower roll with the [MAP] material pinching system. Single unit high torque hydraulic MOTORS/PLANETARY GEAR BOXES are directly mounted onto each driving roll to ensure a smooth feed through of the plate, there is no loss of power normally associated with secondary transmissions, plus the added benefit of one less gearbox to maintain.

ERGONOMIC CONTROL PANEL. As place your hands on the control console, you will immediately be aware that all the controls are exactly where you would expect them to be.



ROLL DESIGN CALCULATION. It is the heart of the machines performance; it's what makes a ROCCIA plate roll different from the competition.

ROLL CAMBER CALCULATION. Roll camber is required to counter act roll deflection that occurs as bending forces are applied, so as to ensure a perfect closing of the longitudinal seam, it is a vitally important factor. If the camber is calculated incorrectly, the result will be, (1) a barrel shaped cylinder is not closing perfectly along the longitudinal seam, gap in the middle, (2) an hour glass shaped cylinder, the longitudinal seam touching in the middle, but not at the ends.

ROCCIA roll dimensioning camber calculation are done on sophisticated 3D cad software that produces all the critical data required for every step of the rolling process. Roll calculations are seldom to standard formulae, no, they are calculated around customer requirements, this being, material type, mechanical strength, material thickness, the rolls cylinder length dimension.

Only this way can we grant the performance and the precision of the plate

rolling machine we manufacture for you.

ROCCIA engineers have designed a new and exclusive heavy duty CONE ROLLING DEVICE, that is mounted or bolted or positioned into the machine hard against the bottom roll shoulder to eliminate possible movement.

CLEANLINESS AND ORDER in the hydraulic and electrical parts of our machine express the attention to detail we put into our product.

ROCCIA plate bending rolls USE SWING ARM TECHNOLOGY for the movement of the side bending rolls. Each swing arm is manufactured from a solid steel profile this ensures rigidity. This design solution offers a smooth friction free movement for each side roll, a friction less system has the advantages of; more pre bending power, a maintenance free longer life unit.



Smart machines

With the OP.TIME technology ROCCIA Rundbiegen plate rolls offer up to 20% of energy saving, when compared to traditional plate rolling machines. Our plate rolls use a friction free swing arm

POWERED BY
op.time

CNC control



Three different software options for three different levels of CNC control. Written and then fully tested and optimized on our plate rolling machines, by our team of engineers, always with our customers requirements to the forefront. The layout of every operation function window is clear and user friendly.

Balance

Each ROCCIA machine is the result of balance between high precision machining, controlled assembly procedures, customized hydraulic and electronic components, in order to obtain robust and precise plate rolls, manufactured without compromise.

