



SHREDDER CRX.400



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Market launch CRX.400

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ICS-CONTEC Maschinenbau GmbH presents the **CRX.400** single-shaft shredder, a state-of-the-art solution for cable recycling. This powerful shredder takes the cable recycling process to a new level, especially in conjunction with our **Cable granulating systems** from the **C.1D** to **C.4D** series. The **CRX.400** is characterised by a range of innovative functions that ensure efficient and precise processing of cable materials.



SHREDDING

SLICE

The powerful cutting shaft with multiple reversible Rotor blades ensures optimum material disintegration. The adjustable cutting gap of the Stator blades enables precise adjustment of the degree of shredding to the respective material. In combination with different screen basket variants with different hole widths, the grain size of the shredded material can be precisely defined.



DRIVE

TORQUE

The powerful drive of the CRX.400 single-shaft shredder is based on a robust belt drive with slip-on gearbox, which ensures reliable power transmission even under difficult conditions. A massive torque lock ensures that the drive components are protected against sudden load peaks. The integrated overload protection recognises critical operating conditions and reacts automatically to prevent damage to the drive-train. Continuous PLC monitoring of the drive parameters ensures efficient and safe operation in all process states.



PRESSURISING DEVICE

PRESS

The hydraulic feed pressure device with an attached pusher ensures optimum dosing of the feed material to the cutting shaft. PLC-controlled, a constant material feed and uniform shredding is achieved. This automatic function keeps the pressure on the material constant, which increases the efficiency of the process and at the same time extends the service life of the machine.



CONTROL

PULSE

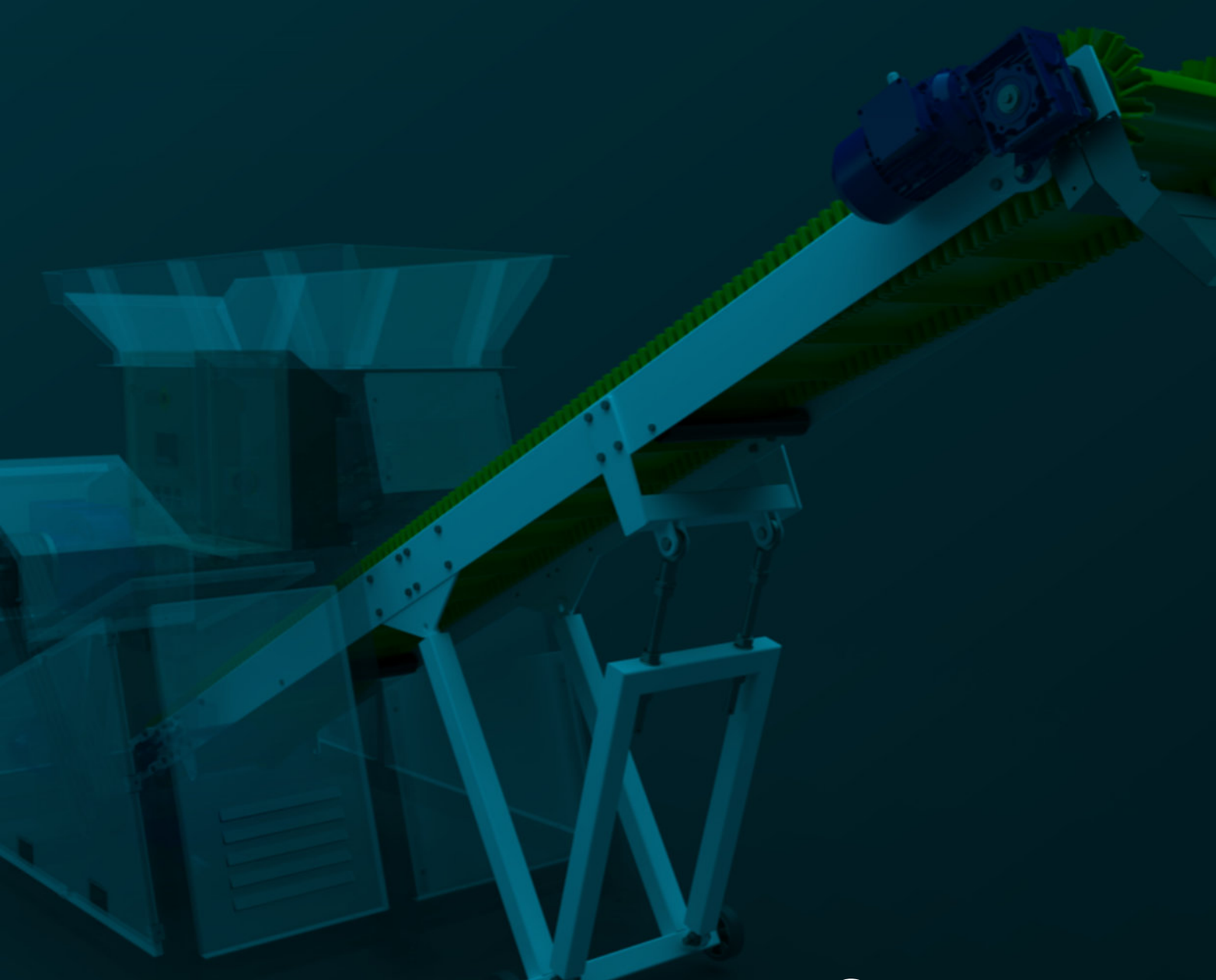
The SIEMENS-LOGO™ control system enables simple and precise monitoring of the entire shredding process. The automatic start/stop function for downstream Cable granulating systems (C.1D, C.2D, C.4D) ensures optimum process utilisation. The shredder only starts up when the pelletiser is ready for operation, which conserves machine resources and minimises energy consumption. The automatic reverse function serves as effective overload protection.



MAINTENANCE

FLIP

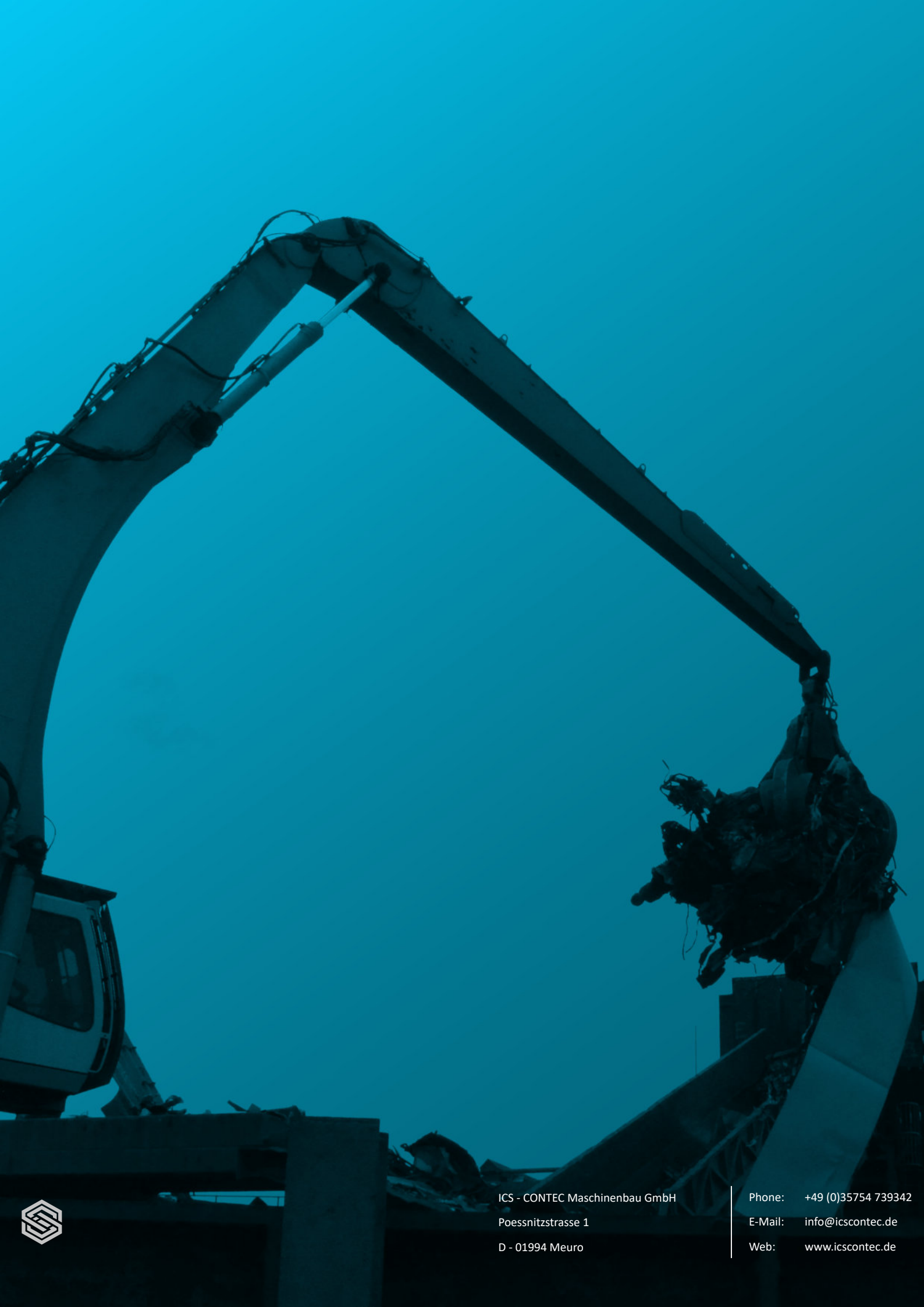
The maintenance-optimised design is characterised by the special arrangement of the material discharge at the rear of the machine. This design allows free access to all maintenance-relevant components without time-consuming conversion work. The robust bolted design is maintenance-friendly and enables wear parts to be replaced quickly, which minimises downtimes.



MATERIAL HANDLING

DRIFT

The material is removed via a belt conveyor, which ensures that the shredded material is conveyed evenly. A magnetic drum (magnetic separator head drum) can be integrated as an option, which enables the automatic separation of iron and steel scrap from the material flow. This function ensures a high level of purity of the recycled material and at the same time protects downstream machine components from damage.



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