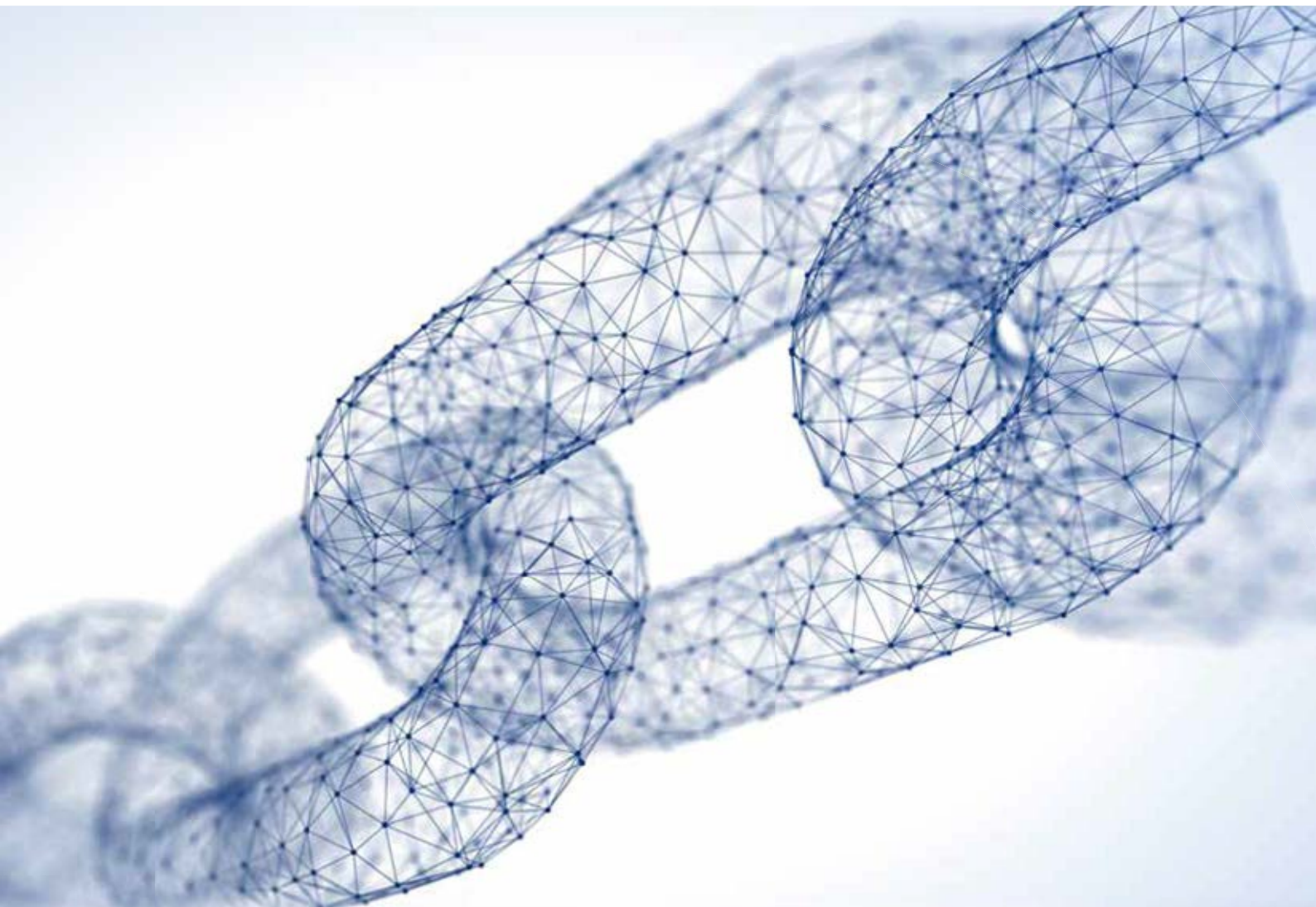


RUD SERVICE

For horizontal, vertical and ascending conveyors



Drive & Conveyor Technology for Energy Production.



Conveyor systems

CRATOS conveyor systems offer you the optimal solution for your conveying problem. We design and manufacture complete trough chain conveyors, screw conveyors and chain conveyors. Whether it is to feed the raw biomass to be fired in the boiler, or to dispose of the combustion residues, CRATOS conveyors are robust and precisely adapted to these conditions.

- Coal plants
- Waste-to-Energy
- Biomass Power Plants
- Slat systems

Bucket elevators






























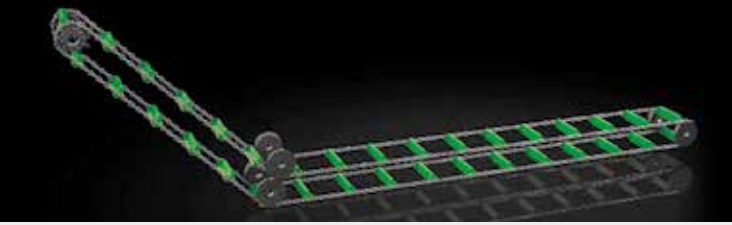
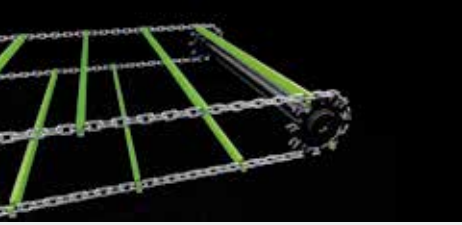
CRATOS bucket elevators offer optimal solutions for the vertical transport of eg. Coal, biomass, garbage or compost. We construct, equip and manufacture complete bucket elevators with round steel chains, link chains or belts as traction means. Due to our extensive experience in the fields of ash removal from coal power plants, biomass incineration, as well as waste incineration & recycling, all components in the fields of conveyor systems, bucket elevators & drives are always perfectly matched and provide reliable solutions.

Drive systems

CRATOS drive systems offer optimal solutions for various drive problems. Based on the round steel chain as a traction device, we develop and produce a large number of drive solutions for lifting, moving, telescoping, moving and turning plants and applications in the field of energy generation. Whether lifting industrial doors, moving sliding doors, or driving load lifts, CRATOS drives are robust and precisely adapted to the conditions of energy production.



Our RUD conveyor chain systems

 HORIZONTAL CONVEYOR 									
RUD-System	 Sprocket wheel system	 System pocket wheel							
Chain 	 Size 8 × 31 ... 38 × 144, material R80, R100, R140, R160 (page 9)								
Connectors 	 FL 22 × 86 ... 38 × 144	 RSP 8 × 31 ... 19 × 75	 VK 8 × 31 ... 34 × 136	 FL 22 × 86 ... 38 × 144	 RSP 8 × 31...19 x 75				
Attachment type	Multiple link attachment		Single link attachment		Single link attachment				
Attachments 	 DUOMOUNT™ 26 × 100 ... (page 18)	 SSRF 14 × 50 ... 38 × 144 (page 19)	 SSR 10 × 38 ... 30 × 120 (page 18)	 F 18 × 64 ... 22 × 86 (page 17)	 MEZ Z 10 × 31 ... 38 × 144 (page 17)	 FM 8 × 31 ... 30 × 120 (page 16)	 MEET (K) 10 × 38 ... 38 × 144 (page 31)	 F 18 × 64 ... 22 × 86 (page 17)	 MEZ T 10 × 38 ... 30 × 120 (page 12)
Drive wheels 	 Drive wheels (internal) interlocked, mostly multi-part at the drive after 14 × 50, rarely single, locks always run vertically across the gears (page 11)				 Drive wheels (external) interlocked, mostly multi-part at the drive, rarely single, locks always run vertically as well as horizontally across the gears; preferred installation type vertical. Reversing wheels – very often also pocket wheels, rarely pulley blocks of type B for attachment F and type C for MEET(K) or MEZT. (page 30)				
Reversing wheels 	 Type a with rim often at the tensioning station and as SOI, type B without rim for all the remaining deflections, rarely single gearwheels (page 25)			 Type C for attachment mezz and FI, alternative is single gearwheels (page 25)					
Applications 									
Remark	The sprocket wheel system is advantageous for conveyors that have an angled line profile (several times) (reversing wheels help this type of conveyors in association with the attachment) and have a sharp increase (>20°). Scraper height depending on the chain width, material to be transported and the gradient of the conveyor as well as the conveyance capacity must be calculated. Usual conveyance speed of 0.02 m/s to approximately 0.15 m/s depending on the service life to be projected. Typical example: de-ashing systems in power stations.			Universally applicable as cleaning scraper conveyor, bunker discharge conveyor (multi-belt conveyor) as well as apron conveyor. Usual speed of 0.05 m/s to 0.2 m/s depending on the material to be transported. Straight line profile preferred, slightly inclined (up to 20°) installations possible. Scraper height normally not greater than $OH = 1.5 \times b_a$.					

Service World For energy to work.

CRATOS® is concentrated expertise

Each power plant has its own special conveyor conditions. Standard constellations are rarely assumed. The CRATOS specialists will therefore design individual system solutions for their funding task based on the plant data. We calculate the right system for you according to your individual parameters. The optimal solution for every conveyed item.

CRATOS® Full Service

CRATOS service technicians monitor the supervised conveyor systems at a specified interval, regularly carry out wear measurements and, if necessary, prepare a spare parts offer in good time. On request, the wear parts can also be replaced directly by the CRATOS technician. The maintenance documentation is also provided as part of the CRATOS Full Service.

Benefit from

CAD data of the components (standard) available on request	Chain design and construction	CRATOS calculation	Advice also on site
Technical advice	Product development	CRATOS complete system	Measuring and testing
Continuous documentation	Production of components in 100% quality	Delivery of components on request also ready to install	Component-exchange

RUD EXTRANET The RUD extranet at www.rud.com exclusively for you:

- ✓ Latest Information
- ✓ Best Practice Examples
- ✓ RUD Solutions Forum and much more



Contact our service team:

Tel.: + 49 7361 504-1369
Email: conveyor@rud.com

**NOW
NEW**

The new RUD ROUND STEEL CHAIN R160 Reach a double lifetime!

- ✓ For very rough and heavy usage scenarios
- ✓ Significant improvement in wear behaviour with the same breaking force
- ✓ **Increases the runtime cycle OF THE COMPLETE ATTACHMENT** significantly
- ✓ Increased wear volume
- ✓ Easy Assembly & Safety in Operation



FERTILIZER

CEMENT

SAND

GRAVEL



CONVEYING AND DRIVING

With RUD's special solutions



Whether it is complete bucket conveyor, chain conveyors or chain drive, RUD BULKOS rises to every conveyor challenge thanks to our extensive experience with the most varied bulk materials such as cement, fertilisers, stones and soils and many others.



RUD is the global original equipment manufacturer among the leading lifting equipment manufacturers.

We also offer a variety of round link steel chains for different industries.



RUD chain locks "Powerblock" and "dominator" are considered as benchmarks of the industrial sector throughout the world and are used in high-performance mining companies due to their high level of reliability.



The RUD TECDOS team is developing and manufacturing drive solutions for turning, lifting, moving, telescoping or shifting. In addition to the component program, complete solutions are also available as the TECDOS omega and Pi drives.



As the technology leader, RUD provides components and total solutions on the basis of round link steel chains and FORKY for energy generation with coal and biomass as well as in the area of recycling. Be it material supply, ash removal or cleaning scraper, RUD CRATOS offers the suitable solution.