

A NEW TWIST

APPLICATION IMPOSSIBLE FROM LOS ALAMOS NATIONAL LABS? NOT FOR KABELSCHLEPP

The new ROBOTRAX cable and hose carrier system offers unprecedented safety and efficiency on robotic equipment requiring 3D movement of cables and hoses. Like the human spinal column which protects the delicate spinal cord yet allows the body to make complex movements, ROBOTRAX's ingenious yet simple design shields your crucial cables and hoses from harm yet allows for a range of motion not possible with traditional carrier systems.



Installation and maintenance of cables and hoses in ROBOTRAX couldn't be easier. Cables are simply pressed into one of three press-through cavity partitions. Even if they have already been completely harnessed. All cables and hoses can then be easily inspected and even individually replaced whenever necessary.



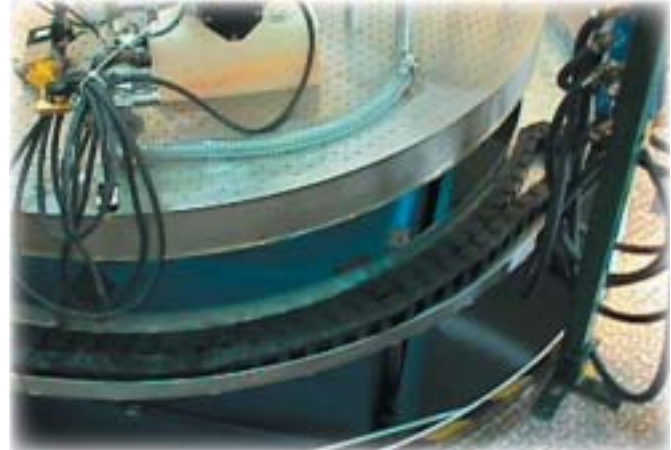
A further advantage of the ROBOTRAX system is that its swiveling and rotating 3D movements allow for single carrier use in complicated multi-axis applications which would normally require multiple individual carrier systems for each axis of motion. This saves you space, installation time, and money.



More technical information and an informative demonstration video are available by calling KabelSchlepp Technical Sales toll-free at 800-443-4216 or by simply visiting the KabelSchlepp website at:

<http://www.kabelschlepp.com>

Somewhat frustrated and concerned, engineers at Los Alamos National Labs (LANL) came to the engineering team at KabelSchlepp to simplify as well as solve a complex application on a positioning device used for electron particle beam inspection of large work pieces. The "translator" is a large pit mounted device featuring a 60 inch in diameter tabletop that has the ability to rotate CW and CCW 180 degrees and move in an offset of 15cm in two different axes creating a complex eccentric



A detailed view of the R210/0450 system allowing 360 degree rotation of electron particle beam inspection device

motion. In addition to these movements, the translator also telescoped up and down 30cm to allow the inspection table to raise and lower. Using computer controls to operate, this device is capable of completing a complex inspection routine of unusually shaped proprietary work-pieces by generating a complex path in front of a camera.



These pictures show the retracted and extended modes of the positioning device

This guide channel was supplied in two shaped halves to facilitate and dramatically simplify installation. All parts were made in Milwaukee and directly supplied by KabelSchlepp.

Prior non-KabelSchlepp proposals proved to be too expensive, took up more space than available and were deemed inefficient by LANL engineering. After turning to KabelSchlepp for a solution, these prior design problems were quickly solved. The entire design, fabrication and supply process with KabelSchlepp was accomplished using electronic communication technology. Yet what most impressed the engineers at LANL was that the entire turnkey system supplied was 1/10th the expected cost.

After KabelSchlepp's engineering team conceptualized available options with the customer, KabelSchlepp developed a series of four carriers to cover the range of motions required while keeping the power cables neatly organized and separated from encoder cables. This included one horizontal carrier system mounted to the camera allowing it to travel in and out to focus, one vertical tandem carrier system to allow the translator to rise out of the floor and one opposed rotary carrier system with a KS designed guide channel to allow the sensitive tabletop to rotate smoothly.



The circular table required unrestricted 180 degree clockwise and counterclockwise rotation

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Although KabelSchlepp has more than 6000 standard carrier types and sizes, in polymer or steel, available from stock and the capability to make more than 100,000 custom Made-To-Order (MTO) configurations from stock parts, occasionally customers require unique Design-To-Order (DTO) solutions.

Our DTO department gives our customers a unique advantage. Such customers can now have a DTO solution at a cost that is often below the price of an available standard product straight from our QS and ISO certified manufacturing and molding facility located in Milwaukee, Wisconsin.



By utilizing our award winning product and tool design capabilities as well as our on-site automated molding and assembly capacity, our customers can buy product that has been specially designed and manufactured to satisfy their specific needs and ordering requirements. Parts can be shipped JIT or per an EDI Kanban schedule or as it best suits the particular customer's need. These products can easily include a company's logo and part number as well as other options that fulfill their individual requirements.

Having it your way is now easier than ever!

Call toll free: 800.443.4216 for complete program details.

KABELSCHLEPP IS THERE FOR YOU 24 • 7 • 365!

Today's KABELSCHLEPP is clearly not the company it was back in 1954, with one noticeable exception... a continued dedication and commitment to the essence of our business, to provide unequalled quality, not only in product, but also in customer service. "To be the world's most customer-focused dynamic cable and hose carrier company" continues to be our guide in the pursuit of excellence.



This commitment to customer service has also been a significant influence in the development of the www.kabelschlepp.com website which serves primarily as a customer service tool that enables KabelSchlepp to tear down the barriers between KabelSchlepp and its customers.



On the KabelSchlepp website you will find:



Downloadable CAD Drawings

Why spend time drawing cable and hose carrier components when KabelSchlepp has already done the work for you? Drawings are downloadable in virtually any of the popular CAD file formats used today.



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A wide range of interesting videos highlighting KabelSchlepp's award winning products, applications, service, and the people behind the company.



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