



**STICHWEH SCRAPERS FOR THE DEEP EXPLOITATION**

For the deep exploitation STICHWEH offers scrapers in two basic versions:

**Version 1. Scrapers type KS 400 SH, KS 600 SH up to KS 1000 S**

Hereby the following distinctions are made:

- a) with the return pulley at the opposite bank and
- b) with floating return pulley

**Version 2. Scraper type KS 400 RA with boom**

- 1 Scraper type KS 1000 S
- 2 Scraper type KS 600 SH
- 3 Scraper type KS 400 SH

**STICHWEH SCRAPERS FOR THE HIGH EXPLOITATION**

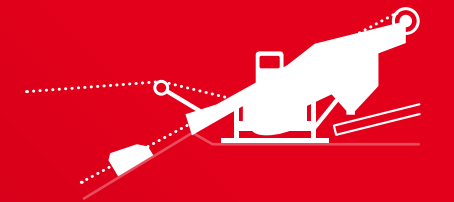
For a **high exploitation** at gravel walls the special construction ensures that there is no risk of burying. Due to the vertical exploitation the different types of gravel are well mixed. With the crawler track the drag scraper is mobile and can be moved within a very short time without requiring additional equipment.

- 4 Scraper type KS 400 RA with boom and crawler track

Each STICHWEH drag scraper is equipped in general with direct drive via an electric motor and frequency converter. **In this way consumers and the environment benefit when compared** to the diesel engine which was used before:

- 40% less energy demand
- no maintenance on the diesel engine and the torque converter
- lower residual risk with regard to environmental pollution due to leaking operating materials
- noise reduction
- no exhaust emissions

**You too can benefit by converting your plant from diesel to electric drive! Find out more about the topic Conversion with your personal STICHWEH adviser or contact us by phone at: + 49. 51 86. 94 14 - 0**



**EXTRACTION OF SAND AND GRAVEL**

TOP PERFORMANCE WITH THE GLOBALLY PROVEN SCRAPER PROGRAM





→ Learn more under [www.smt-stichweh.com](http://www.smt-stichweh.com)

**SMT**  
STICHWEH

## EXTRACTION OF MINERAL RESOURCES: SUPERIOR AND RELIABLE!

**STICHWEH drag scrapers** are a product of decades of experience and know how. Hundreds of them proved themselves in the sand, gravel and crushed rock extraction.

The simple and robust all-steel construction guarantees also under rugged conditions **absolute operational safety.**

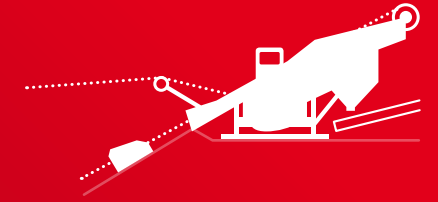
The pneumatic single-lever control of the scraper winch makes the operation simple and requires no previous knowledge.

**STICHWEH drag scrapers are in terms of efficiency and reliability superior to other extracting methods.**

### → TOP PERFORMANCE – ANYTIME, WORLDWIDE:

- The powerful drag scraper program for the national and international market
- Superior to other extracting methods in terms of efficiency and reliability
- Well suited both for high and deep exploitation methods
- Easy to move with crawler track or hydraulic walking equipment
- Used intelligently and efficiently in STICHWEH complete solutions or in individually configured system solutions

## FROM PROFESSIONALS TO PROFESSIONALS: PERFECT BOTH IN FUNCTION AND USE!



STICHWEH drag scrapers prove themselves also under most difficult operating conditions.

- **STICHWEH drag scrapers – powerful and reliable even in case of:**
- Large stones up to about 10 t in weight (are brought ashore during the operation process).
  - Trees up to 1 m in diameter and 10m in length
  - Layers of clay and loam

**For complete solutions and individual system solutions:**

The **modular system of all STICHWEH drag scrapers and components** makes it possible to provide with the same base equipment – as required – either a discharge for direct **truck loading** or to add a receiving hopper with or without coarse size grizzly and feeder for the **conveyor belt feed.**

→ **The most important components of the STICHWEH drag scrapers are:**

- The scraper with operator's cab, engines and winches
- Scraper bucket, return pulley, outhaul and inhaul rope
- The scraper with cabin which can be mounted on a hydraulic walking equipment or a crawler track

The precision and extreme robustness of STICHWEH drag scrapers make them **especially suited** for e.g.

- Dry and underwater extraction
- River dredging and rescraping of not completely exploited flooded gravel pits

**They convince by:**

- A large operating range
- Reduced wear and low power requirement
- Can be used also under most difficult extraction conditions

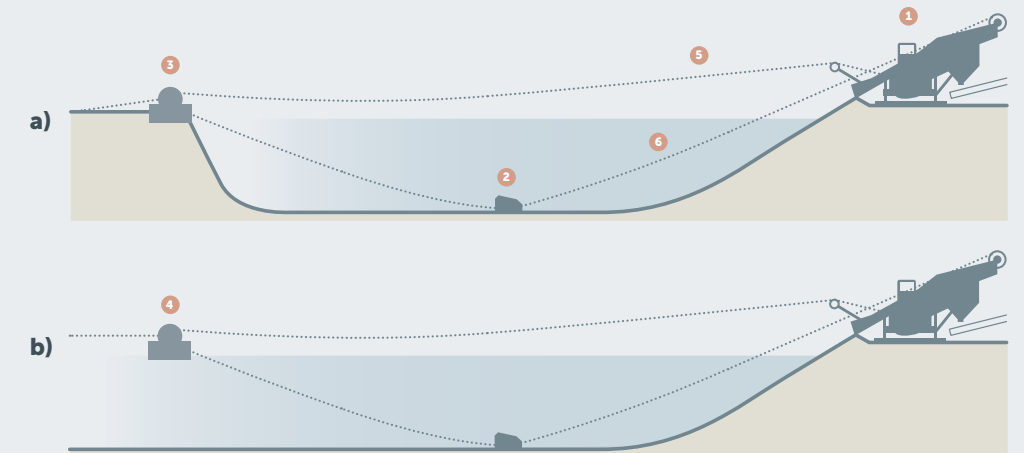
### EXPLOITATION METHODS:

1

**Deep exploitation**

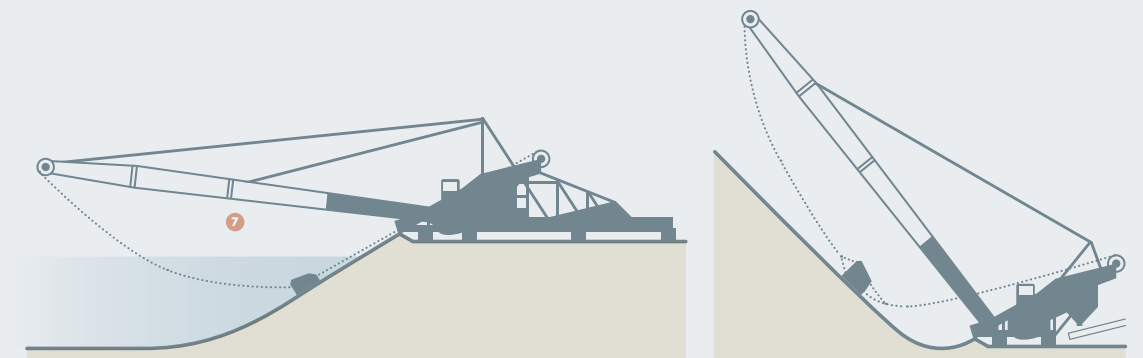
a) with the return pulley at the opposite bank

b) with floating return pulley (from a bank distance of approx. 200 m)



2

**High and deep exploitation with boom and crawler track for highest possible mobility**



1 scraper 2 bucket 3 fixed return pulley 4 floating return pulley 5 outhaul rope 6 inhaul rope 7 boom

**MORE SAND. MORE GRAVEL. MORE SUCCESS.**