



SURFACE MINER TSM 250

Customer	Navoijskij gorno – metallurgitscheskij kombinat
Plant Location	Taschkura (Uzbekistan)
Scope of work	Turn-key supply of a Surface Miner MTS 250 Supervision of erection, training at site and function test, commissioning (incl. trial operations and performance record)





Project description

The surface miner MTS 250 is suitable for laminar removal of overburden and minerals with strength to 90 MPa without prior blasting. The relatively large cutting drum requires only a low driving speed. This allows an optimum material transfer to transport (such as trucks) and caused minor wear on the travelling gear. The cutting drum at front is able to cut completely uneven surfaces and generates in so doing an ideal plane for driving. The cutting direction from top into the rock creates finely granulated rock pile, which will be instantly received and transferred by two belt-conveyors to downstream conveying equipment. The Surface Miner MTS 250 can be used in conjunction with trucks as well as in connection with tripper car and a bench conveyor. For the operation in Taschkura the loading is designated on trucks with maximum dimension of the CAT 777.

Project Figures

Material:	Phosphorit Marl
Unconfined compressive strength:	up to 90 MPa
Rated capacity:	250 to 300 bm ³ /h
Max. cutting height:	0.8 m
Cutting height normal:	0.6 m
Max. cutting width	3.5 m
Cutting circular diameter:	1.6 m
Drum width:	3.75 m
Required driving speed at rated capacity and cutting height 0.6 m/ 0.2 m:	1.98 / 5.95 m/min
Number of crawlers:	3
Distance centre cutting drum – centre of discharge pulley:	13.5 m
Outreach loading boom:	10.5 m
Service weight:	ca. 130 t
Total installed power	740 kW

Project Schedule

Commissioning in 2006, still in commercial operation

Contacts

TAKRAF-Office Taschkent
Ataturk str. 17
100047 Taschkent
Uzbekistan
phone +998 71 2361048 - fax +998 71 2361437
erkin.islamov@takraf.com