

Concept to commissioning

Tacmin Madini is a registered distributor of enrichment and classification plants. We work in close association with Turkey based manufacturer CWP in the delivery of enrichment and classification plants from concept to commissioning, enabling us to offer our customers more than 20 years of experience in the design, manufacturing and construction of plants.

CWP has delivered a broad range of technology-based products and solutions since 1990 in more than 15 countries worldwide, and continues to do so.

As well as its manufacturing capabilities, CWP also provides complete plant process designs upon which the customers can procure the specified equipment at their own responsibility.

CWP's engineering capabilities and knowledge enable more competitive prices as CWP can provide its own in house designs for manufacturing and constructing on EPC basis. On the other hand, CWP can offer services for process correction and commissioning of false processed / designed plants.



Tacmin Madini, formerly known as Tacmin Group, has been solving complex openpit mining business challenges since 1996. We are an independent consulting group, consisting of a mixture of permanent specialists and independent associates that co-operate in the delivery of professional services covering mineral resource evaluation, planning, design, management, construction, operation, maintenance and rehabilitation of open-pit mines.

Registered distributor of CWP products**DE-KA MINING GELIK / ZONGULDAK (200 t/h)**

100 t/h Capacity, +20-150mm Coarse Coal Washing Plant

100 t/h Capacity, +0,5-20mm Dust Coal Washing Plant

MILTEN / ISTANBUL (150 t/h)

100 t/h Capacity +10-150 mm Coarse Coal Washing Plant

50 t/h Capacity +0,5-20 mm Fine Coal Washing Plant

UYAR MINING SOMA / MANISA (175 t/h) + (50 t/h)

100 t/h Capacity +20-150mm Coarse Coal Washing Plant

75 t/h Capacity +0,5-20 mm Fine Coal Washing Plant

50 t/h Capacity +0,5-20 mm Fine Coal Washing Plant

ESIN MINING / SOKE (75 t/h)

50 t/h Capacity +20-150 mm Coal Washing Plant

25 t/h Capacity +0,5-20 mm Coal Washing Plant

EGE UYARLAR MINING / SOKE (150 t/h)

100 t/h Capacity +18-150mm Coarse Coal Washing Plant

50 t/h Capacity +0,5-18mm Fine Coal Washing Plant

SULUOVA ESKICELTEK / AMASYA (175 t/h)

100 t/h Capacity, +18-150mm Coarse Coal Washing Plant

75 t/h Capacity, +0,5-20 mm Fine Coal Washing Plant

IMBAT MINING / SOMA (350 t/h)

200 t/h Capacity +10-250 mm, Coarse Coal Washing Plant

150 t/h Capacity +0,5-10 mm Fine Coal Washing Plant

GURMIN MINING / SOMA (100 t/h)

100 t/h Capacity +10-150mm Coarse Coal Washing Plant

CELIKLER INSAAT / CORUM (150t/h)+ (175 t/h)

100 t/h Capacity +6-150 mm Coarse Coal Washing Plant

50 t/h Capacity +0,5-10 mm Coarse Coal Washing Plant

100 t/h Capacity +20-150 mm Coarse Coal Washing Plant

75 t/h Capacity +0,5-20 mm Fine Coal Washing Plant

ZIRVE MINING / KILIMLI - ZONGULAK (175 t/h)

100 t/h Capacity, +18-150 mm Coarse Coal Washing Plant

75 t/h Capacity +0,5-18 mm Double Density Fine Coal Washing Plant

ZIRVE MINING / KILIMLI - ZONGULAK (10 t/h)

10 t/h Capacity, +0-0,15 mm Vacuum Filtration Plant for Sludge

KARTALKAYA MINING / AZDAVAY - KASTAMONU (118 t/h)

50 t/h Capacity, +18-150 mm Coarse Coal Washing Plant

50 t/h Capacity +0,5-18 mm Double Density Fine Coal Washing Plant

HEMA KANDILLI COAL MINING/ ZONGULDAK (150 t/h)

100 t/h Capacity, +10-150 mm Coarse Coal Washing Plant

50 t/h Capacity +0,5-10 mm Fine Coal Washing Plant

CEKTAS A.S.- CIFTAY A.S. / OREN-MILAS-MUGLA (800 t/h)

800 t/h Capacity, +0-400 mm Triage Coarse Coal Washing

Plant

<http://www.tacmingroup.com/enrichment-classification-mine-activities.html>

**Tacmin Madini – CWP Solutions****Plan extraction and beneficiate**

This turnkey service is unique to Tacmin Madini customers and consists of a combination of mineral resource extraction and EPCM contract for the classification and enrichment of extracted ore.

Head grade is consistently been achieved through a careful transparent planning and management of ore extraction process followed by the management of the crushing, screening and washing of the product.

This turnkey service ensures that the customers mining process (contractor or owner) is properly managed, monitored and optimised and dilution and contamination of ore is strictly controlled.

A turnkey planning and beneficiation contract consists of mining and beneficiation cost estimate, front-end engineering design, procurement, construction, provision of manpower, mineral resource extraction and management of crushing, screening and washing of product.

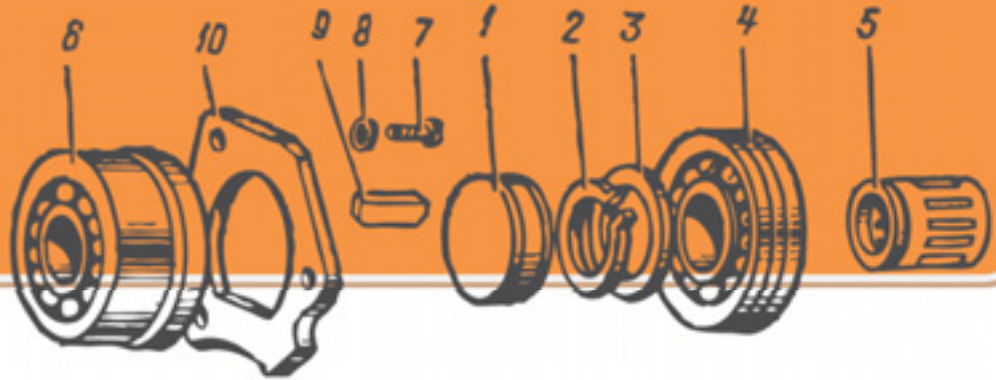
HEAVY MEDIA GRAVITY FEED CYCLONE PLANTS

WASHING PLANTS

PRODUCT# TM/HMGFC/25072011

CWP services can be cited as:

- EPC plant procurement
- Equipment manufacture on custom requirements
- Plant process design
- Correction of false process designs and commissioning these flawed plants.
- Improving existing process designs / plants



PRODUCT #TM/HMGFC/25072011

Heavy media gravity feed cyclone plant

CWP constructs coarse - fine (+ 0,5 mm - 120 mm) coal washing solutions on EPC / Concept to Commissioning basis.

GFC Cyclone Plant is a dense media system used in washing process of +0,5 mm - 120 mm coal. CWP can construct a complete GFC Cyclone Plant from input hoppers to output conveyors including all classification, separation and dewatering / drying applications and also manufactures separate washing modules.

2 product and three product output (primary + secondary cyclone) can be made.

CWP can guarantee for the required higher calorific value and lower ash content in the product coal if the proper raw coal data is priority provided by the customer.



Tacmin Madini is a registered distributor of CWP Plants



MECHANICAL PRODUCT SPECIFICATIONS SHEET

TECHNICAL SPECIFICATIONS

Technical Features:

- Separates + 0,5 mm - 120mm materials
- GBS can separate up to 500 TPH per unit

With 2 product cyclone:

- Clean coal and schist can be obtained.

With 3 product cyclone:

- Clean coal, middling's and schist can be obtained.
- General Features:
 - Efficient separation
 - Low energy consumption
 - Low installation cost
 - Simple construction structure
 - Low operational cost
 - Minimum magnetite loss
 - Minimum abrasion loss
 - Non-existence of malfunctions due to low number of moving parts.