ULTRATREX MACHINERY SDN. BHD.
PLO 229, Jalan Kencana Mas 2, (833023-M)
Kawasan Perindustrian Tebrau 3,
81100 Johor Bahru, Johor, Malaysia.
Tel     : +607-355 7777
Fax     : +607-351 0229
Mobile : +6 016-772 0584
Email   : info@ultratrex.com.my

UTX, your trusted partner in shallow dredging equipment
Ultratrex Machinery Sdn Bhd (formerly known as BHELLink Sdn. Bhd.) or commercially known as UTX is an identity of the leading producer of high performance and versatile range of amphibious excavators ranging from 5 to 40 tons. We are specialized in custom made and designing high quality amphibious undercarriages for various brands and models of excavators. UTX Machinery has been perpetual in the shallow dredging business due to the organisation’s reliability and capacity to supply high quality and reasonably priced products. We also guarantee high workmanship being maintenance while producing the amphibious undercarriages.

To ensure our continued improvement in exceeding customers’ requirements, we had a collaboration with Maruma Technica, Japan in innovatively designing and manufacturing the amphibious undercarriages in 2010. One of our model, AT80 is completely build in the Maruma’s factory located in Nagoya.

Our business was established in 2008 and currently our manufacturing plant is located at Tebrau Industrial Area 3, in the metropolitan city of Johor Bahru.

Our manufacturing plant has three designated fabrication bays which had been equipped with the high tech equipment and machineries together with competent and well trained technical expertise and crew. Their commitment in working together to meet our customer’s demand enable our trusted client to accomplish their project in the most effective and efficient way.

Proud to say that, Ultratrex Machinery Sdn Bhd is the first amphibious manufacturing company in the region that had successfully obtained ISO 9001 certification in 2011. We always believe that our clients are our valuable asset so we ensured that UTX Machinery complied with the company’s system and customers’ requirements are being met.

Meanwhile, in 2016 Ultratrex Machinery Sdn Bhd successfully been certified for integrated management system of ISO 14001 and OHSAS 18001.

Our main and sole focus has and will always be – to manufacture high quality amphibious undercarriages, which we had and shall continue our fabrication to meet and exceed user’s expectations. Our records show that 90% of all orders we received for amphibious undercarriages are completed within the promised timeline. Our products have been delivered world widely to more than 20 countries.

Safety!!! Yes, we fabricate varieties of amphibious undercarriages with added safety feature. Besides the safety features, we provide site installation, testing, commissioning and training to all our first time customers.

UTX amphibious excavators are specially built to withstand the harshest of environments. Extreme terrains like swamp land and water logged river basins will not bogged down your excavator. Tested with built-in features in mind and the ability of advance designed pontoons to ensure effective flotation, our range of amphibious excavators can endure any repeated environmental abuses you can just throw at it. At UTX, customers are given priority in requesting special built machine to suit their necessity in order to overcome the environmental conditions at their site and we’ll go out of its way to custom build the said machinery for you!

UTX’s excavators are designed to be fully functional, modular, stable, and cost effective. Each modular part can be detached and shipped out to different destinations countless of the distance with minimum costs. We can assured that our clients will have the confidence in buying a machine that gives maximum uptime and lowest operating cost in any environment.
In support of a greater worldwide usage of amphibious excavators, UTX Machinery will be catering to customized design of various types of attachments parts.

As we had sustained a potential position in the market and gained our respective customer’s trust, thus we had moved further on to build mutual co-operation with a well-known dredging producer, Bell Dredging Pump B.V. in Netherlands. The high demand in shallow water dredging equipment (higher volume & longer discharge distance) of amphibious excavator had encourage us for this collaboration.

A few words about our latest venture:
The conventional work method of amphibious excavator is using bucket, with the partnership of Bell Dredging Pump B.V. in Netherlands, we’ll replace the conventional bucket with amphibious dredger which fitted with a high performance hydraulic cutter suction dredging pump. This amphibious dredger has been proven to work effectively on river sand mining, ponds clearing and shallow water dredging. These combination, had helped our customers tremendously in term of higher productivity and cost saving depending on their jobs at the project site.

Ultratrex’s Successes

As we had sustained a potential position in the market and gained our respective customer’s trust, thus we had moved further on to build mutual co-operation with a well-known dredging producer, Bell Dredging Pump B.V. in Netherlands. The high demand in shallow water dredging equipment (higher volume & longer discharge distance) of amphibious excavator had encourage us for this collaboration.

A few words about our latest venture:
The conventional work method of amphibious excavator is using bucket, with the partnership of Bell Dredging Pump B.V. in Netherlands, we’ll replace the conventional bucket with amphibious dredger which fitted with a high performance hydraulic cutter suction dredging pump. This amphibious dredger has been proven to work effectively on river sand mining, ponds clearing and shallow water dredging. These combination, had helped our customers tremendously in term of higher productivity and cost saving depending on their jobs at the project site.

Our Vision, Mission & Value

Vision
To be the leading solution provider of shallow water dredging equipment with continuous improvement and well maintenance backup services.

Mission
Ultratrex Machinery Sdn Bhd enables business partners to be more productive by providing customized solution and competitive equipment in the shallow water dredging area.

Value
Customers are assured with these values when engaging Ultratrex Machinery Sdn Bhd as your trusted partner:
- Functionally designated
- Efficiency enhanced
- Affordability price
- Reliability assured

Ultratrex Machinery, Your Trusted Partner

Our committed team can tackle and provide solutions to meet your need and exceed your expectation with a reasonable quoted price, unlimited efficiency and limited downtime. We pride ourselves in keeping promises to our customers.

We are also capable of customizing your orders to suit various environments and working conditions. Our after-sales service team can give support in technical training and are always ready to assist our business partners in achieving the efficiency.

With shipments to all over the world, UTX will endeavour to supply spare parts and technical services to any destinations in the world within the quickest time. Ultimately, it is the uptime of your machine that UTX is most concerned about. Without no worries, you can be assured that we, from Ultratrex Machinery Sdn Bhd will not fail to treat all of our clients with utmost respect. Our customers are our aspirations to excel in our business.

www.amphibiousexcavator.com
Amphibious Excavator

An Amphibious Excavator is specially designed to work in swampland, wetland, and shallow water. Our well-designed Amphibious Undercarriages provide great mobility to work on soft terrains and swampland area.

Standard package of Ultratrex’s Amphibious Excavator is attached with long reach arm c/w conventional excavator bucket.

Amphibious Undercarriage has proven to work effectively on the following areas:

1. Swamp land clearing at mining, plantation and construction area.
2. Deepening of canal, river channel and river mouth.
4. Building bund wall for fish, shrimp ponds and salt making industry.
5. Clearing of lakes, ponds and water reservoir.
7. Clearing obstacles at landslide and flood hit area.
8. Water irrigation at paddy field and plantation.

Optional items:

1. Additional side pontoons c/w 6 meter of hydraulic spuds. These optional items are required if the water draft of the site working condition is between 2 to 3.5 meters.

---

**Specification are subject to change without prior notice.**

---

www.amphibiousexcavator.com
Ultra-high-molecular-weight polyethylene (UHMWPE), an odorless, tasteless, and non-toxic material which contains:

- ultra-high molecular weight
- high wear resistance
- high abrasion resistance
- high impact strength

Our own designed UHMWPE track plates enhanced the machines performance with:

a) Long lifespan for the track chain drive system due to the flexibility  
b) Minimum maintenance of the track plates  
c) Lighten and speedup the machine movement on swampy land & water

Ultratrex, the only company who warranty the UHMWPE track plates up to **10000 hours** against cracks.

An amphibious dredger is an amphibious excavator fitted with a high performance hydraulic driven cutter suction dredging pump. It is proven to work effectively on river sand mining, ponds clearing & shallow water dredging whereby a long discharge distance & high productivity is required.

Amphibious Dredger

www.amphibiousexcavator.com
Ultratrex Sectional Barge

**SPECIFICATION**

<table>
<thead>
<tr>
<th>Units</th>
<th>BELL 100</th>
<th>BELL 150</th>
<th>BELL 200</th>
<th>BELL 250</th>
<th>BELL 300</th>
<th>BELL 400</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mixture capacity max</td>
<td>m³/h</td>
<td>300</td>
<td>500</td>
<td>800</td>
<td>1250</td>
<td>1800</td>
</tr>
<tr>
<td>Pump speed approx.</td>
<td>rpm</td>
<td>1350</td>
<td>1300</td>
<td>1200</td>
<td>900</td>
<td>750</td>
</tr>
<tr>
<td>Max power at shaft</td>
<td>kW</td>
<td>30</td>
<td>75</td>
<td>110</td>
<td>190</td>
<td>300</td>
</tr>
<tr>
<td>Suction bore</td>
<td>Ømm</td>
<td>100</td>
<td>150</td>
<td>200</td>
<td>250</td>
<td>300</td>
</tr>
<tr>
<td>Discharge piping</td>
<td>Ømm</td>
<td>100</td>
<td>150</td>
<td>200</td>
<td>250</td>
<td>300</td>
</tr>
<tr>
<td>Spherical passage</td>
<td>mm</td>
<td>50</td>
<td>75</td>
<td>125</td>
<td>130</td>
<td>155</td>
</tr>
<tr>
<td>Weight (hydraulic, without head)</td>
<td>kg</td>
<td>550</td>
<td>950</td>
<td>1200</td>
<td>2000</td>
<td>3500</td>
</tr>
<tr>
<td>Weight (electric, without head)</td>
<td>kg</td>
<td>1000</td>
<td>1375</td>
<td>1900</td>
<td>2900</td>
<td>4600</td>
</tr>
<tr>
<td>Hydraulic Pressure</td>
<td>bar</td>
<td>250</td>
<td>250</td>
<td>250</td>
<td>250</td>
<td>300</td>
</tr>
<tr>
<td>Hydraulic Flow</td>
<td>L/min</td>
<td>85</td>
<td>195</td>
<td>290</td>
<td>425</td>
<td>600</td>
</tr>
<tr>
<td>Hydraulic Cutter flow</td>
<td>L/min</td>
<td>15-20</td>
<td>15-20</td>
<td>35-50</td>
<td>35-50</td>
<td>70-110</td>
</tr>
</tbody>
</table>

**PRODUCTION**

**PRODUCTION DIAGRAM BELL PUMPS**
(Medium Sand 230 μm)

- Bell 100
- Bell 150
- Bell 200
- Bell 250
- Bell 300
- Bell 400

Ultratrex sectional barge can be easily mobilized / transported by trucks. This has helped customers on the inland rivers & lakes dredging project.

We design and manufacture sectional barge according to customer requirement.

Benefits of Ultratrex sectional barge:
1) Modular & interlocking with additional sectional barge.
2) Designed to be containerized & truckable.
3) Costumed make according to customer requirement.

Application:
1) Storage Barge Transporter for shallow water dredging (Lake, reservoir & inland river)
2) Floating platform.
3) Excavators, cranes & bridge construction machinery working platform