

Bamboo Charkha (Cotton spinning)

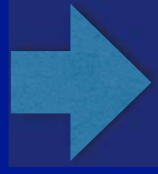
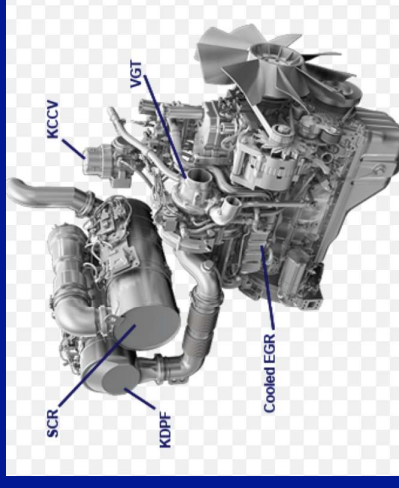
Bamboo Folding Chair

HALU (Hideo Oguri), HUMAN TECH LAB

Introduction

HALU (Hideo Oguri)

Engineer in large company
developing the diesel engines
for construction machinery



Freelance engineer, founder of HUMAN TECH LAB, LLC
developing the equipments to draw the human ability

Open source products — Bamboo Charkha, Bamboo Folding Chair
Human-powered dehydrator, etc.

Patented technology — Human-powered generator, etc.



Bamboo Charkha



Human Powered Spin Dehydrator

Background Japan

Globalization
Economical Growth



Earth Quake in 2011/03/11, followed by
Tsunami, Nuclear Power plant Explosion

Many people noticed that the weakness of the urban life style based on the global economy, and changed their life.

Resilience
Localization
Local economy

Bamboo Folding Chair — *phyllostachys nigra*



Bamboo Charkha (Tareng) --- phyllostachys bambusoides

Portable spinning wheel, made of bamboo

Laptop-type, sitting on the chair

— more comfortable than the traditional charkha on the floor



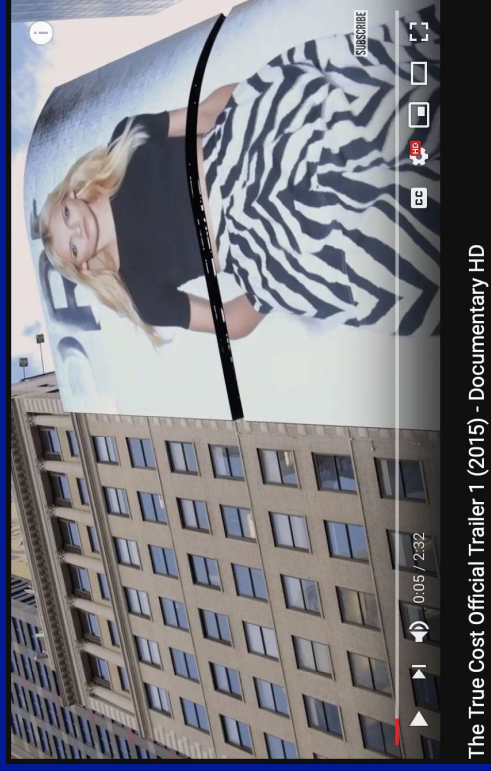
Why Bamboo ? Why Cotton spinning ?

Bamboo — useful material, available all over the world,
but not used because they have been replaced by plastic

Cotton — in Japan, almost 100 % are imported,
and, most people have forgotten how the clothes are made.

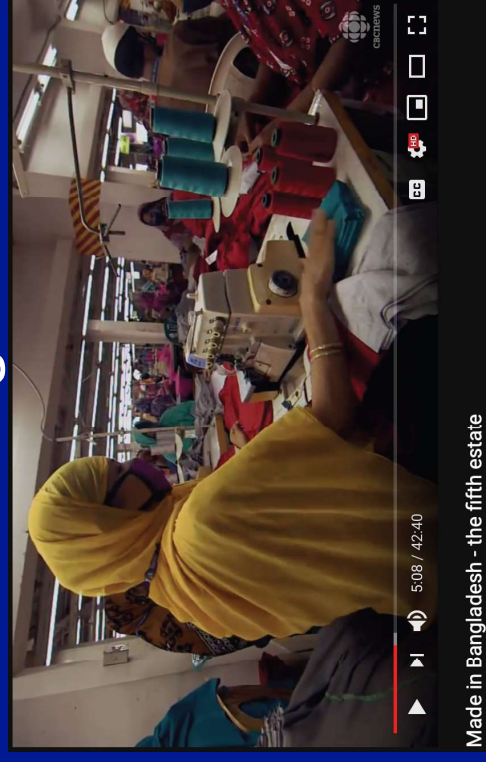
When the people forget how the things are made,
they lose the respect to those who made the things.

“ The True Cost “



<https://youtu.be/NDx711ibD1M>

“ Made in Bangladesh “



https://youtu.be/onD5UOP5z_c

Maker Faire Tokyo 2017

Most people
don't know
how the
threads are
made.

Spinning
wheel is a
tool in fairy
tale.

Maker Faire Tokyo 2017 (2017/08/05-06)



hand-spin, hand-loom workshop in Japan



暮らしの手仕事〜く
らして〜

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“ Cotton spinning cafe “ in Japan

Tokyo Cotton Village
JAPANESE ORGANIC COTTON

TOP 糸つむぎワークショップ コットン畑 イベント/ニュース/活動 問い合わせ

イベント情報

2018.12.22 cafe event

毎月開催糸紡ぎワークショップ。糸紡ぎカフェ。

イベント

- > 2018.11.24
毎月開催ワークショップ
糸紡ぎカフェ
- > 2018.12.1
埼玉草加つなぐば糸紡ぎ
ワークショップ
- > 2018.12.2
畑ワークショップ横浜カ
フェエヤギ
- > 2018.12.22
毎月開催ワークショップ
糸紡ぎカフェ

news

- > 岐阜つながる和綿
- > 高島屋コットン

毎月開催
糸つむぎ
カフェ

2018.12月 開催日程
2018.12.22 (sat) 13:00-15:00
場所：世田谷区梅ヶ丘FEPカフェ

初めての方
糸つむぎ
ワークショップ

紡げる方
※スピンダルを購入された方
糸つむぎカフェ
紡道具利用+1drink

みんなで紡ぎたい
復習や棉がほしい
棉練りしたい
など
お気軽にどうぞ

Maker Faire Shenzhen2018

Most people in
the age of 60th
or 70th know
how to spin.

I heard that, in
Henan, some
people still spin
cotton.



Maker Mela Mumbai 2018



School in Kenjal, Hyderabad, Ahmedabad (Gujarat Vidyapith), Vigyan Ashram (Pabol)



Bamboo Charkha and Bamboo Folding Chair, as Open Source Project

support the people to make these items to start their small business.

“ made by xxxxx, designed by Hideo Oguri, HUMAN TECH LAB “

Each parts in the world, people make the necessary items utilizing the local materials such as bamboo, and customers respect the makers and artisans.

This is the change I wish to see in the world.

Thank you !

How to spin ?

3 steps

step 1

draw the thread from cotton

step 2

twist the thread

step 3

winding the thread on spindle