

gcl@minerough.com

LAPIDARY TRAINING COURSES: BEGINNERS and ADVANCED

Slicing, Pre-forming, Faceting, Polishing.

Calibrated Sizes, Fancy cut, concave cutting (Millennium cutting Machine)

Treatments, Access to Radiation Treatments, Stabilisation

CONSULTING:

Setup of new gemstones Cutting Factories (complete solution)

Optimization of existing Factories:

GEMSTONES CUTTING MACHINES:

- Slicing machines, Pre-forming machines,
- Industrial Index Cutting Machines
- Millennium Cutting machines (concave cut)

Learn ...

How to look...



How to slice...



And get the best out of it...

LAPIDARY TRAINING COURSES: BEGINNERS

Session: 3.000 THB

Full package (6 weeks program) 80.000 THB

Slicing	<ul style="list-style-type: none">- Rough observation and classification- Localization of inclusions- Weight Optimization, minimize material losses- Cleavage and hardness- Colors, pleochroism- Slicing methods in a production	6 days Training 1h30 per session 9 am - 10.30 am
Preforming	<ul style="list-style-type: none">- Sizing- Weight Optimization- Standard Shapes	6 days Training 1h30 per session 9 am - 10.30 am
Index Machine Faceting	<ul style="list-style-type: none">- Introduction to Index Cutting- Faceting standard shapes- Speeds and angles for main varieties- Color, hardness- Cleavage	6 days Training 1h30 per session 9 am - 10.30 am
Index Machine Polishing	<ul style="list-style-type: none">- Introduction to Index Polishing- Polishing standard shapes- Speeds and angles for main varieties- Symmetry and facet junction	6 days Training 1h30 per session 9 am - 10.30 am
Introduction to Calibrating Techniques	<ul style="list-style-type: none">- Slicing and pre-forming using calibrating machine	6 days Training 1h30 per session 9 am - 10.30 am

LAPIDARY TRAINING COURSES: INTERMEDIATE

Full package (6 weeks program) 80.000 THB

A la carte: 3.000 THB

Slicing	- Advanced Course	6 days Training 1h30 per session 11 am - 12.30 am
Pre-forming	- Advanced Course - Re-cutting - Switch Shapes	6 days Training 1h30 per session 11 am - 12.30 am
Index Cutting Machine Faceting	- Advanced Course - Fix broken stones - Standard Shapes - Specialization for Specific Varieties	6 days Training 1h30 per session 11 am - 12.30 am
Index Cutting Machine Polishing	- Advanced Course - Standard Shapes - Specialization for Specific Varieties	6 days Training 1h30 per session 11 am - 12.30 am
Calibrated sizes Training	- Advanced Course - Standard Shapes	6 days Training 1h30 per session 11 am - 12.30 am

LAPIDARY TRAINING COURSES: Fancy shapes, Fancy Faceting:

For GCL - Intermediate Students:

Course: 40.000 THB, Extra Session: 2.000 THB

For external Students:

Course: 60.000 THB, Extra Session: 3.000 THB

Index Cutting Machine Fancy Shapes Faceting	<ul style="list-style-type: none">- Fancy Shapes, Fancy Faceting using Index Machine- Specific Varieties specialization- Learn a few Fancy designs and styles to combine	10 days Training 1h30 per session 13.30 pm - 15 pm
Index Cutting Machine Fancy Shapes Polishing	<ul style="list-style-type: none">- Fancy Shapes, Fancy Faceting using concave cutting techniques- Specific Varieties specialization- Learn a few Fancy designs and styles to combine	10 days Training 1h30 per session 13.30 pm - 15 pm

LAPIDARY TRAINING COURSES: Concave Cutting Course

Beginner Course 32.000 THB

Intermediate Course 32.000 THB

Extra Session: 3.000 THB

Index Millenium Machine Concave Faceting	<ul style="list-style-type: none">- Fancy Shapes, Fancy Faceting using concave cutting techniques- Specific Varieties specialization	6 days Training 1h30 per session 9 am - 10.30 am
Index Millenium Machine Concave Polishing	<ul style="list-style-type: none">- Fancy Shapes, Fancy Faceting using concave cutting techniques- Specific Varieties specialization	6 days Training 1h30 per session 9 am - 10.30 am

Millennium
cutting
Style

Millennium
index
cutting
Machine



[Example of
kunzite, very
difficult stone.](#)



LAPIDARY TRAINING COURSES: Advanced Courses

For Factories, please see our Consulting Section.

- We will give a quotation case by case, depending on which area the student wish to improve.
- Usually a 10 days intense training, 3 hours a day.
- Students who already have basic knowledge in lapidary can start with the intermediate courses.
- Our gemstones cutting school is teaching specific methods using index cutting machines and it is better for cutters to start with the intermediate courses.

LAPIDARY TRAINING COURSES: Heat Treatment Course

Ask for a quotation depending on treatment process, varieties, etc.

The gemstones cutting school can provide trainings for the following gemstones treatments:
Citrine, Aquamarine, Apatite, Morganite, Tourmaline family, Paraiba, Beryl, Rubelite, Kunzite,.

- Vacuum Heat Treatment for highly fissured Gemstones.
- Vacuum Oil Treatment Stabilization (under development, importing machinery)

CONSULTING: Service to Cutting Factories and workshops

1. Setup of new gemstones Cutting Factories (complete solution)

2. Optimization of existing Factories

- Staff upgrade: Training for cutters and head of team
- Machinery upgrade
- Improve cutting for specific gemstone varieties.
- Access to treatments.

BUYING TRIP, INTRODUCTION TO MINES IN BRAZIL:

We have very close connections with more than 50 mines where we can bring buyers from interested factories.

- Our customers will be able to go on a buying trip with our specialist and buy at very good prices, in a secured environment.
- Our local team in Brazil will be waiting at the airport and will have organized the meetings in advance to make sure you can get the goods you are looking for.
- After a couple of trips with our ambassador, our customers will be ready to go by themselves to the mines they already visited with us and enjoy special prices.

GEMSTONES CUTTING MACHINES:

- Slicing machines, Pre-forming machines,
- Industrial Index Cutting machines, Millennium Cut Index machines (concave cut)
- High Pressure Oil Filling machines

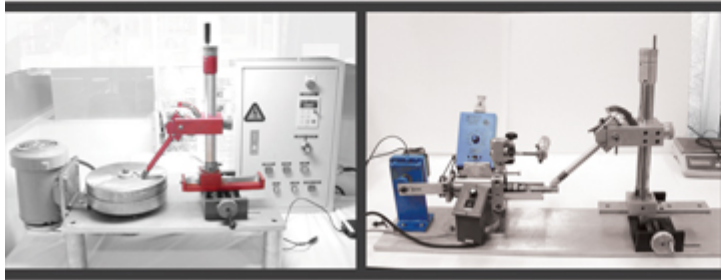


Industrial Cutting Machines

Complete Solution for new factory setup
Factory upgrade by unit / modules

- Slicing / Preforming Machines
- Index Cutting Machines
- Millenium / Concave Cutting Machines

Consulting / Training



Machines are sold by modules:

Factory Setup: 1 slicing, 1 pre-forming, 1 Index faceting, 2 Index Polishing.

Factory Upgrade: 1 Index Faceting, 2 Index Polishing

Factory acquire Millennium Machines: 1 Index Faceting, 2 Index Polishing

Retail for STUDENTS ONLY: 1 Index Machine with Table, or 1 Portable Index Machine

Gems Cutting Lab Head Quarters

Mr. Yannick Mandaba

GCL Managing Director

Mr Yannick Mandaba, has been working in this field for 10 years. He is a French/Centrafrican gemologist graduated from HRD-Antwerp, Belgium and Nantes University in France (D.U.G.).

After some experience as a Marketing Manager in the cutting industry in Bangkok, Mr. Mandaba finally started his own company in Custom Jewelry Manufacturing. Starting from unique pieces using exceptional colored stones and diamonds, he extended his activity to producing lines of Jewelry for creators and Brands, and this is where started this collaboration with Mr. Carlos Gomez Leal in the manufacturing of custom calibrated gemstones that needed to be cut especially to fit into settings produced in series by casting methods.

We decided to open the "Gems Cutting Lab" in 2008. Mr. Mandaba loves teaching and discovered this vocation while teaching Gemology at G.H.I. Laboratory in Bangkok in 2007. His function in GCL is that of an administrator, but he teaches some gemological bases to students who are starting straight with gems cutting without any gemological background..

Mr. Carlos Gomez Leal,

GCL Master Cutter and Instructor, designer of optimized cutting machines

Mr. Carlos Gomez Leal, was born in a mining area in Brazil and knows specific cutting techniques for many gemstones varieties. With more than 15 years of experience in gemstone cutting, he is able to get the best productivity and quality from a group of workers equipped with Index cutting machines. Also Brazil is one of the countries producing the widest range of gemstones varieties in the world, which gave him the opportunity to learn all the gemstones that this huge land could bring before his eyes.

His father gave him a kind of knowledge that is really a plus in market places like Thailand, India or China.

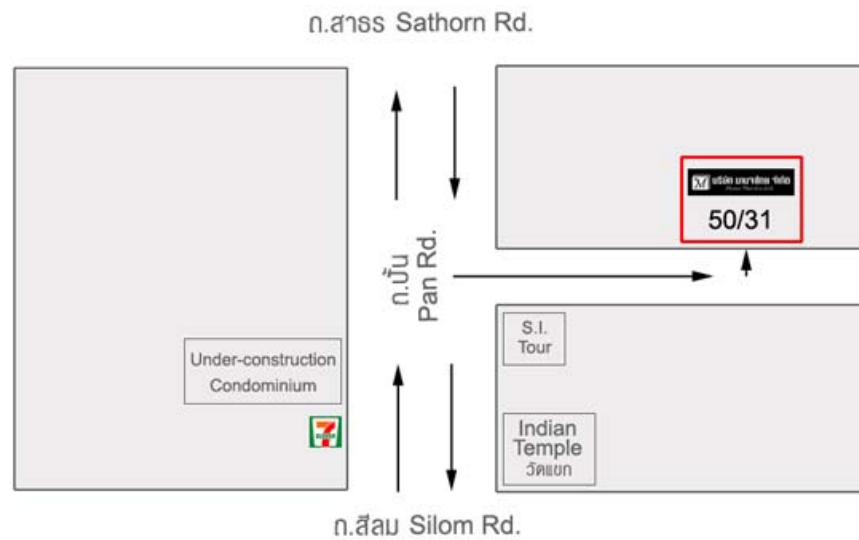
Our first targets are to teach how to obtain productivity with quality, and teach the elementary gestures that can easily reduce material losses.

(GCL Consultant, services for gemstones cutting factories and workshops).

Ms. Wadeekanya Soonthornsingha

GCL Direction Assistant, Public Relations

Graduated from Design and Arts College of New Zealand, Ms W. Soonthornsingha has a solid experience in Event Organizing business where she has been in a production team designing stages for concerts, political meetings, banks inauguration or even Royal Ceremonies in Thailand. She is helping in any field requiring PR representation or design, from machines development, to web design or jewelry-design QC.



50/31 Pan Road, Silom, Bangrak, Bangkok 10500, Thailand. 50/31 ถนน สีลม แขวง บางรัก กทม.

Manja Thai Co., Ltd.

50/31, Pan Road, Silom,
Bangrak, Bangkok 10500,
Thailand

Tel: +66 2635 0858
Fax: +66 2635 0859



Thai Gem and Jewelry
Traders Association